

FIG. 1

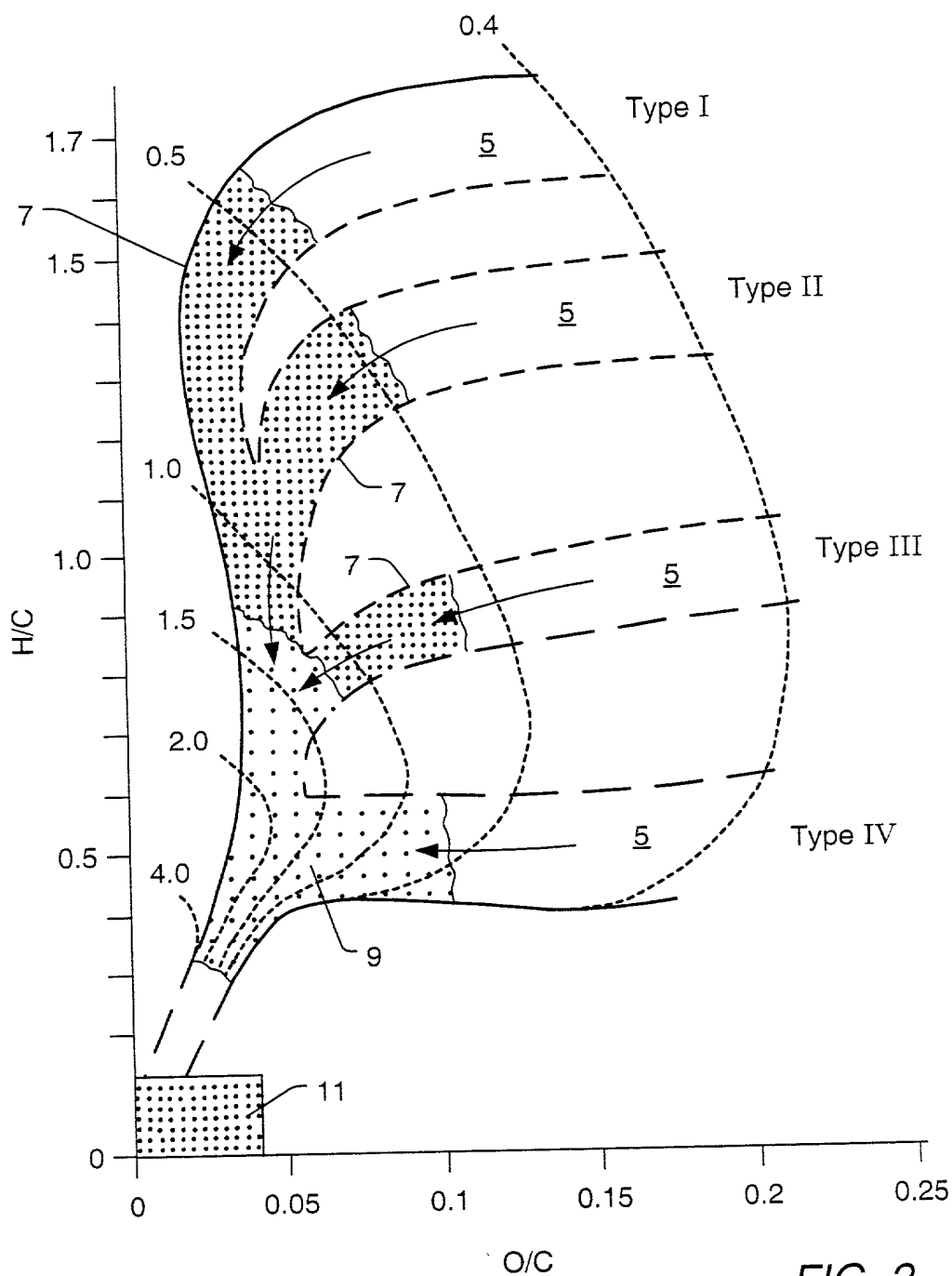


FIG. 2

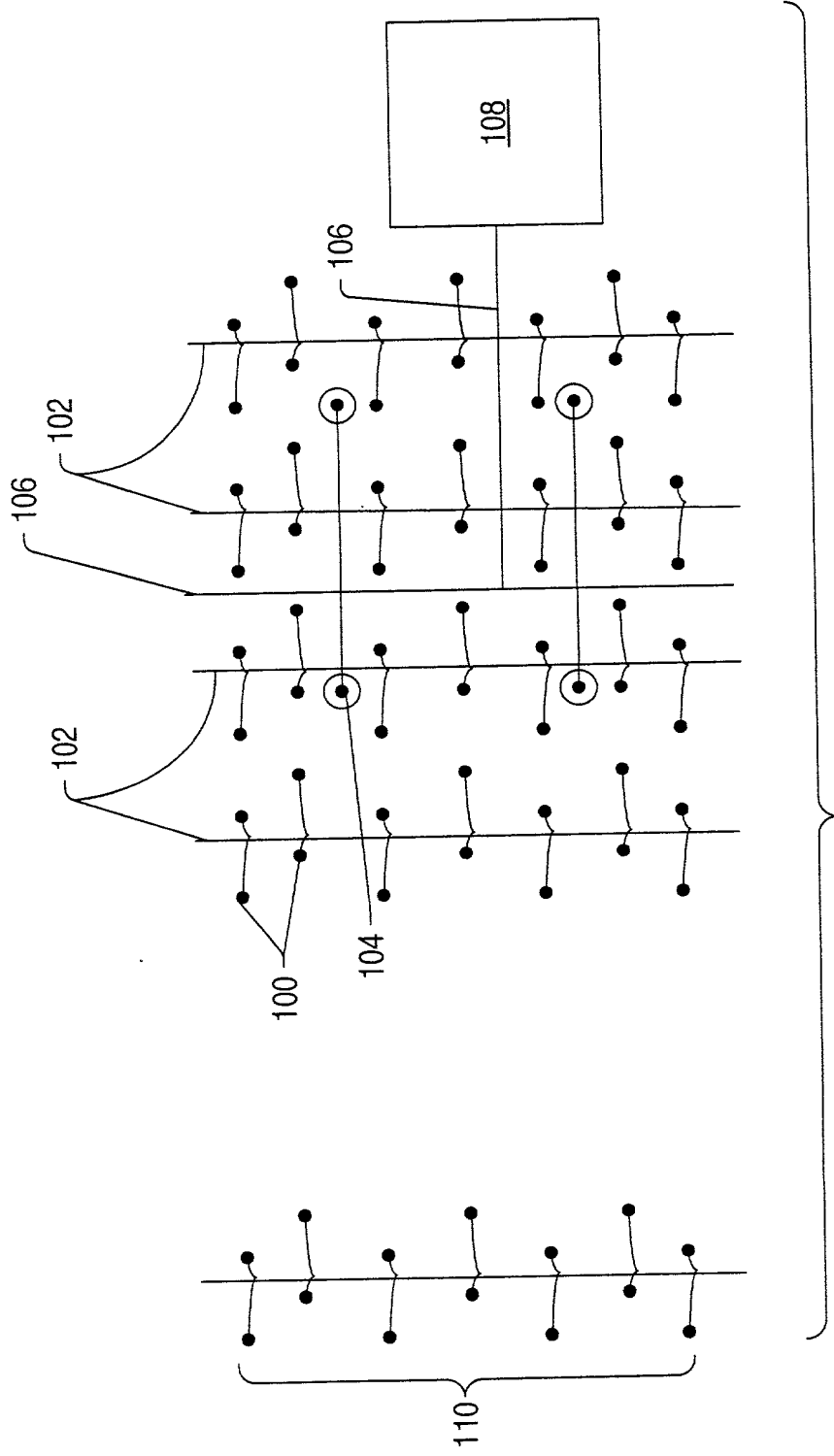


FIG. 3

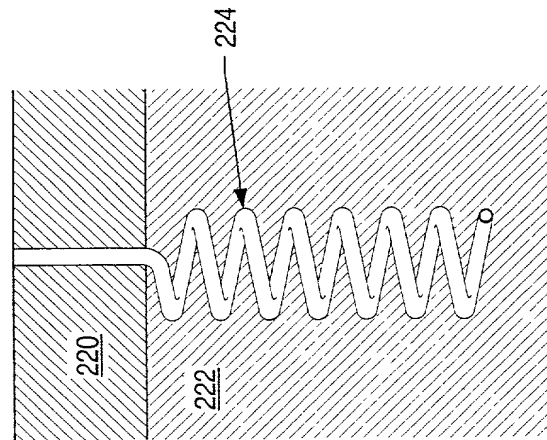


FIG. 3a

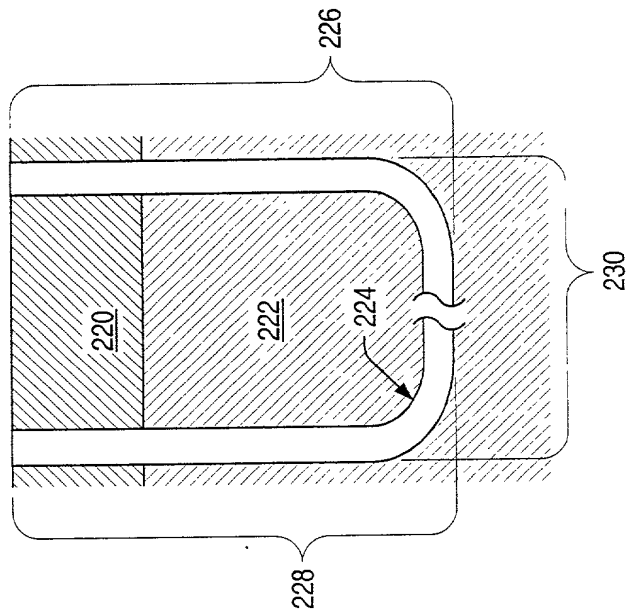


FIG. 3b

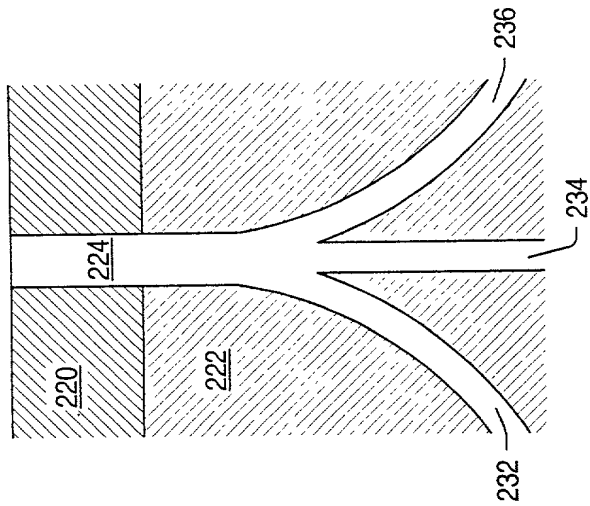


FIG. 3c

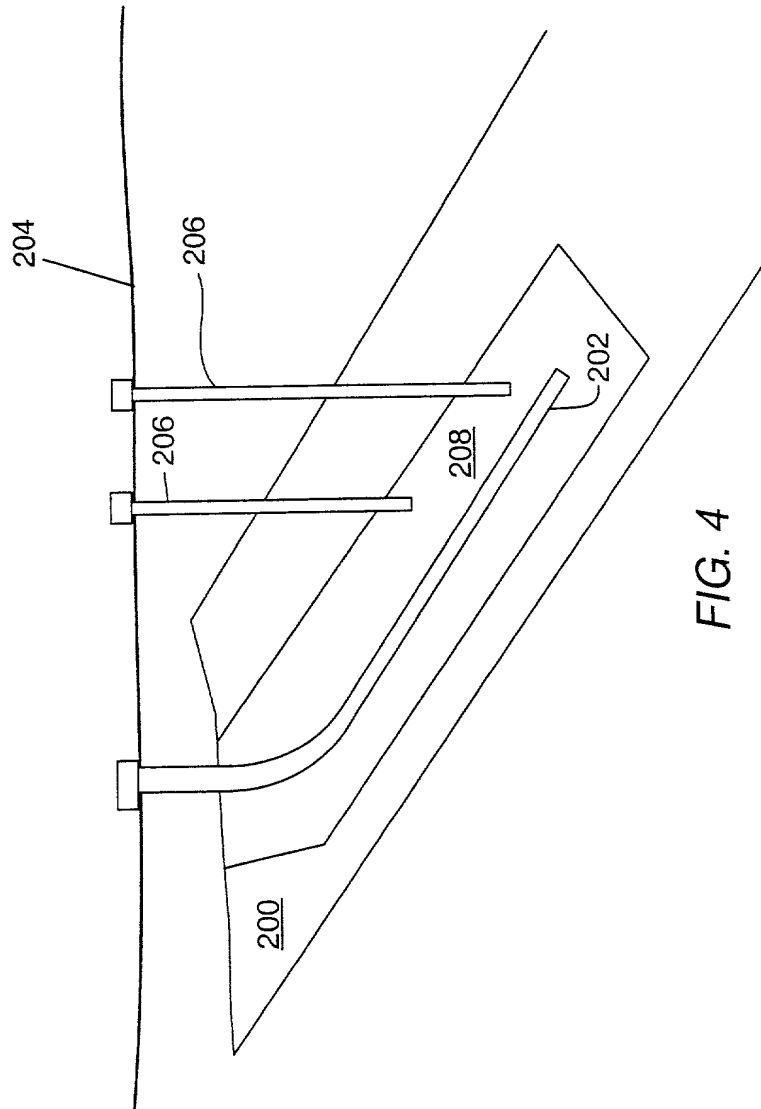
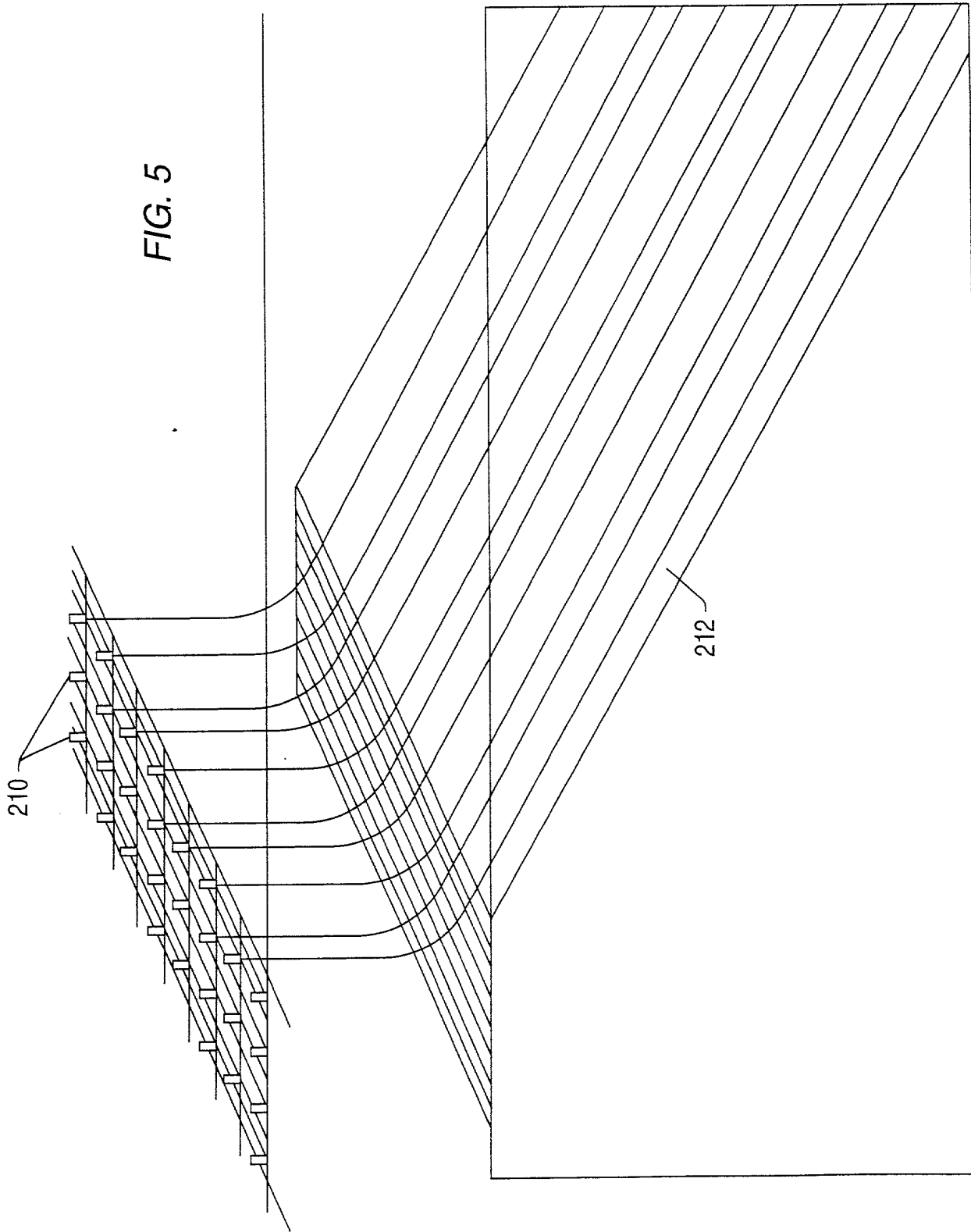


FIG. 4



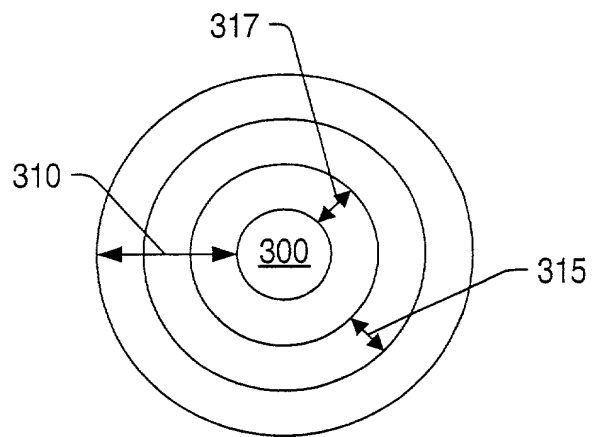


FIG. 6

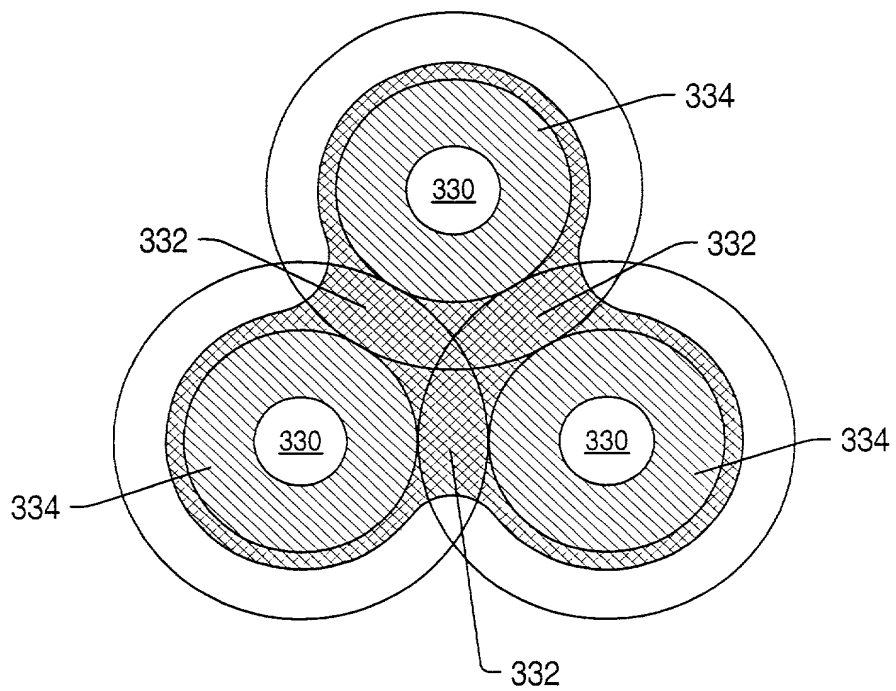


FIG. 7

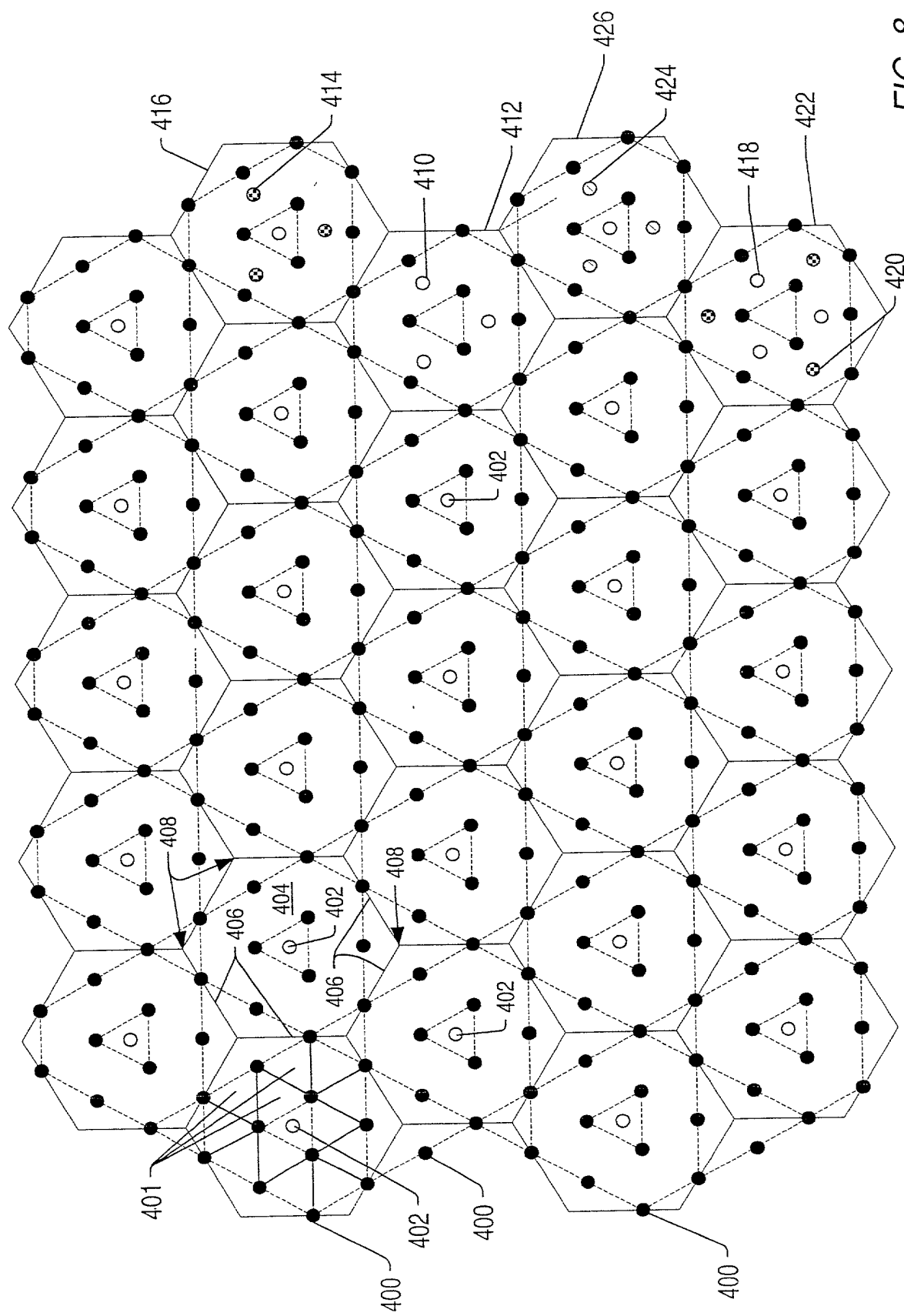


FIG. 8



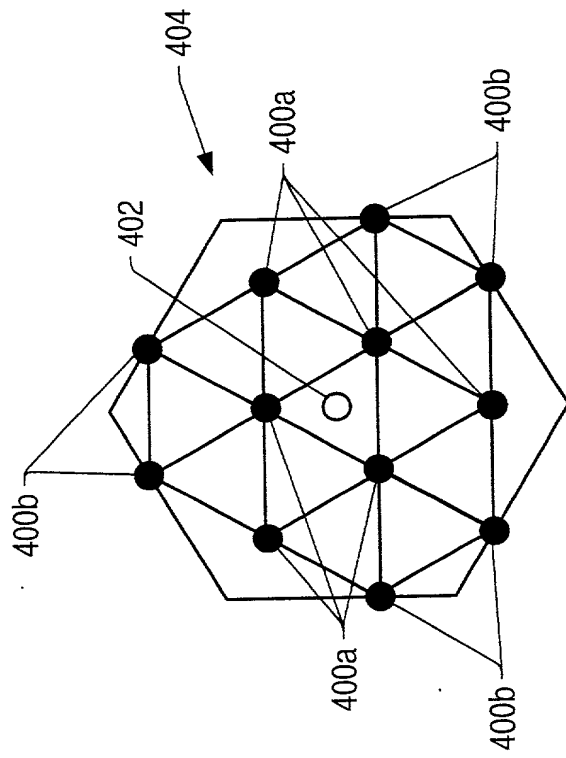


FIG. 9



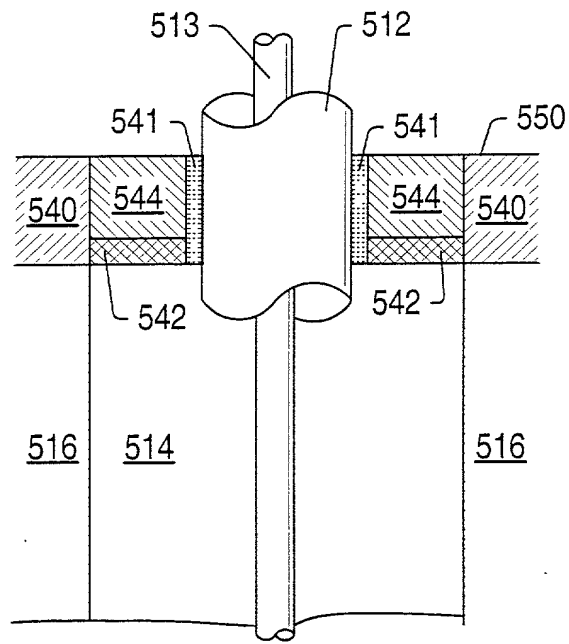


FIG. 11

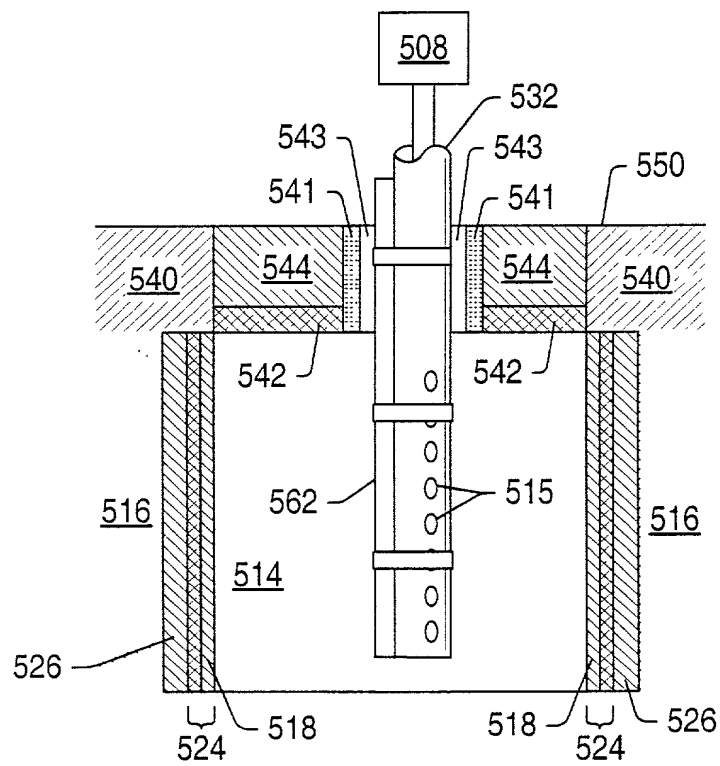


FIG. 12

This diagram shows a cross-section of a wellbore completion system. A central mandrel (514) is positioned within a wellbore (516). The mandrel features two parallel channels (515) for fluid flow, separated by a central partition (535). The channels are lined with a material (542) and contain a series of small circles (543), likely representing perforations or filter elements. The mandrel is surrounded by a cement sheath (540) and a casing (550). The casing is secured by a cement bond (544). The wellbore is lined with a material (518) and has a bottom layer (524). The entire assembly is supported by a base (526).

*Fig. 13*

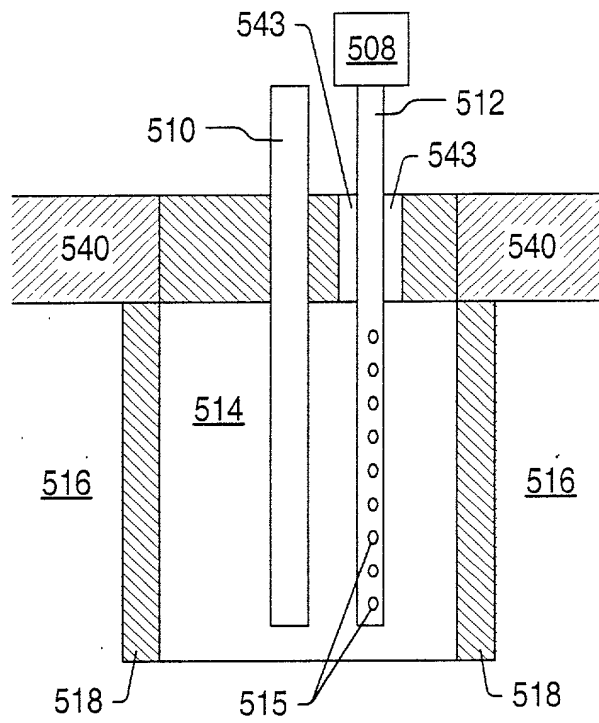


FIG. 14

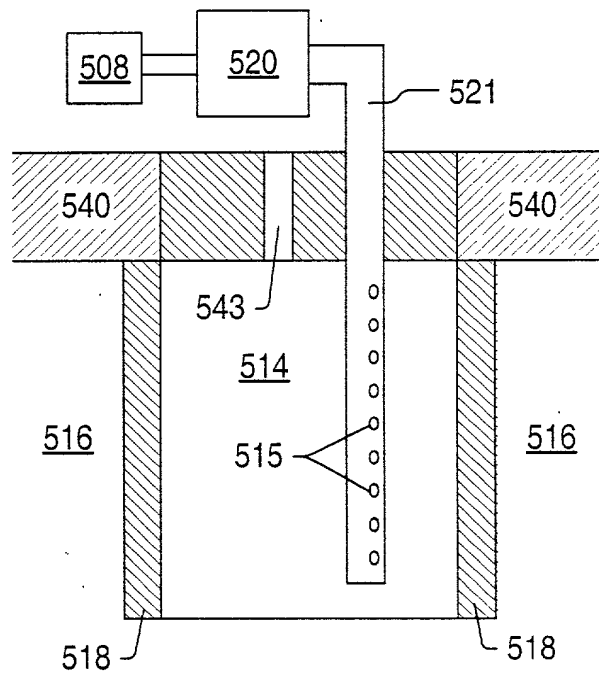


FIG. 15

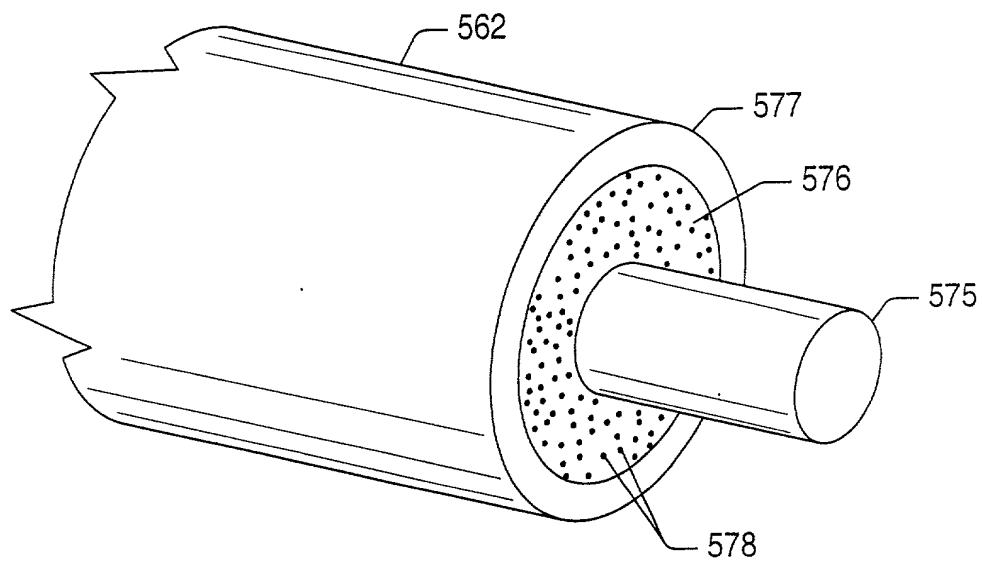


FIG. 16

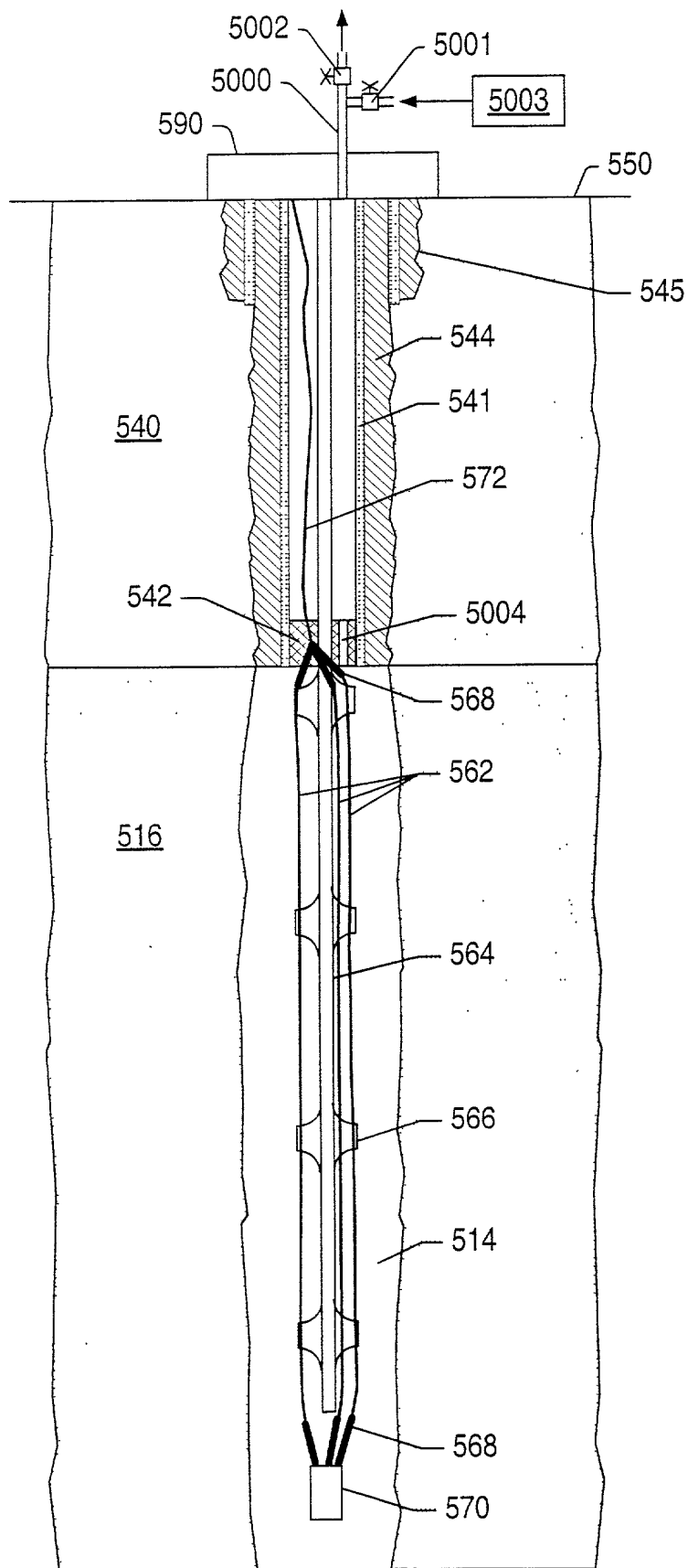


FIG. 17

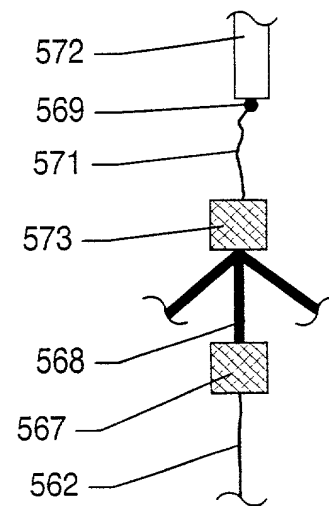


FIG. 17A

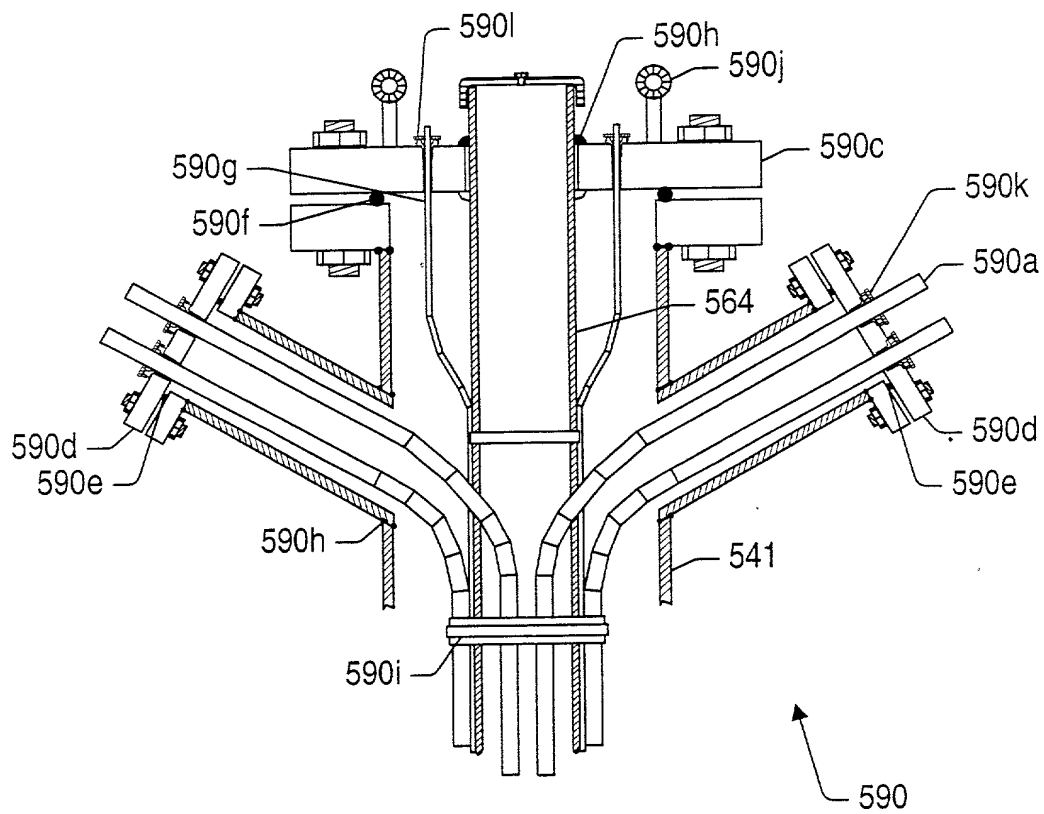


FIG. 18



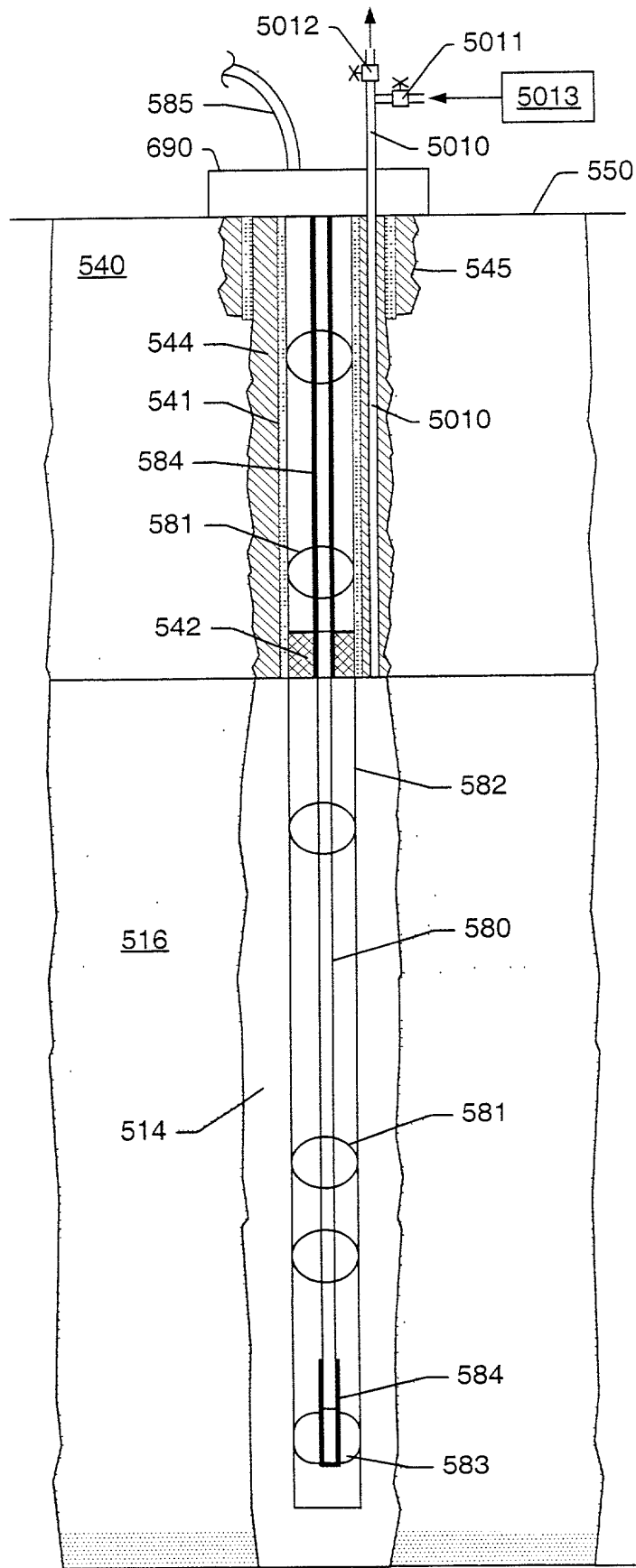


FIG. 19

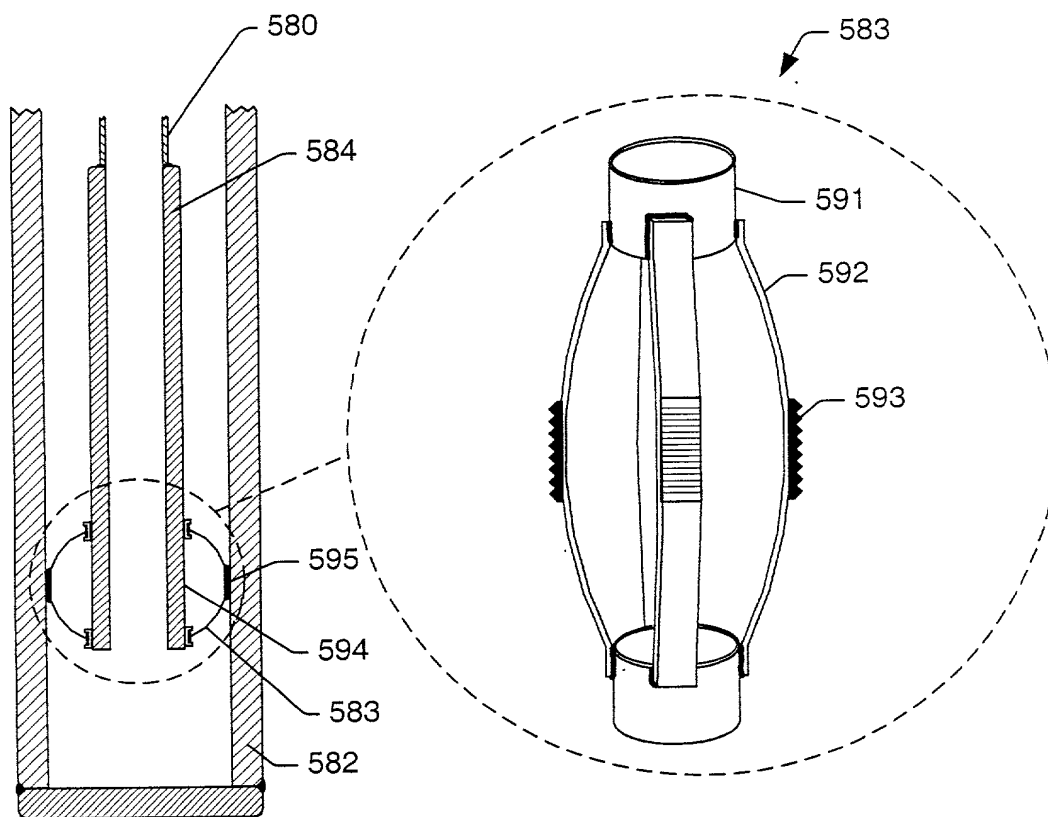


FIG. 20

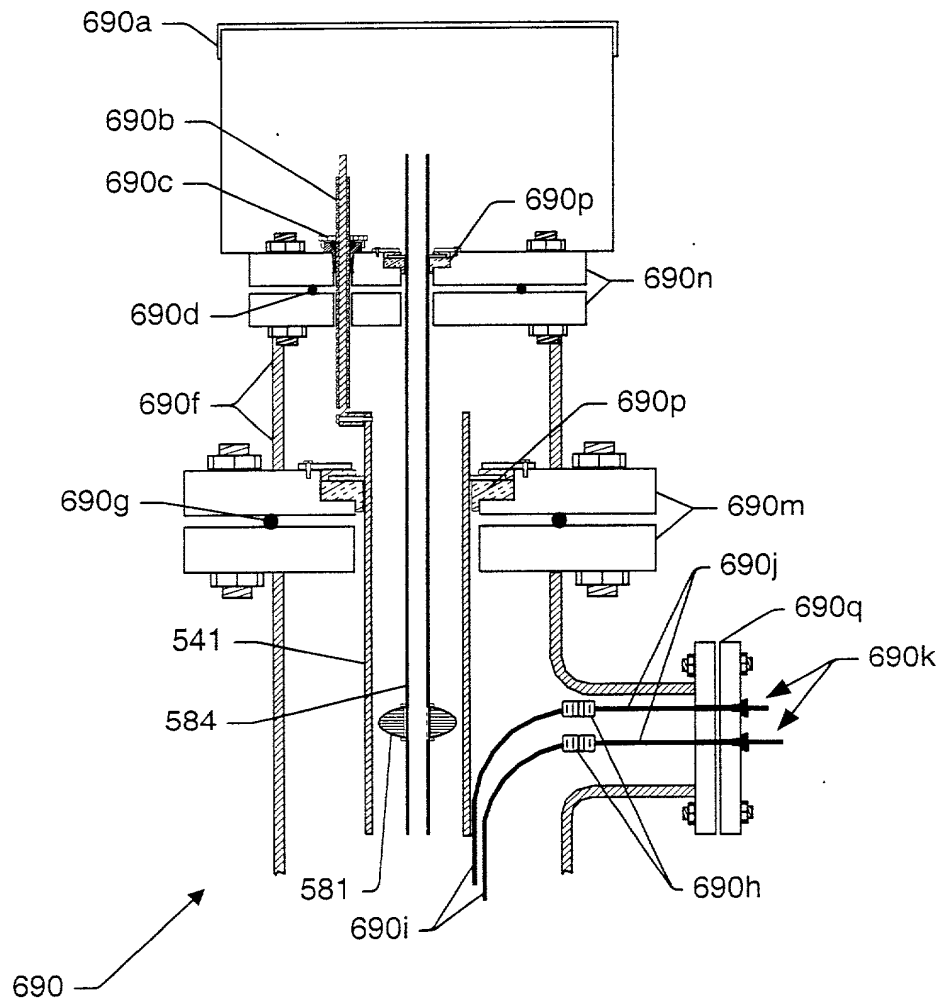


FIG. 21

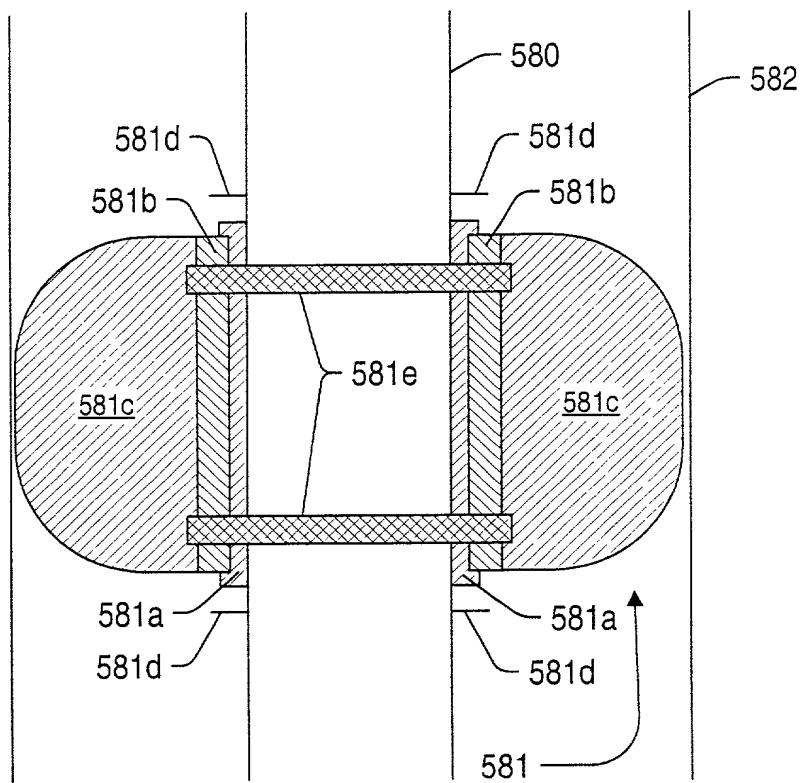


FIG. 22

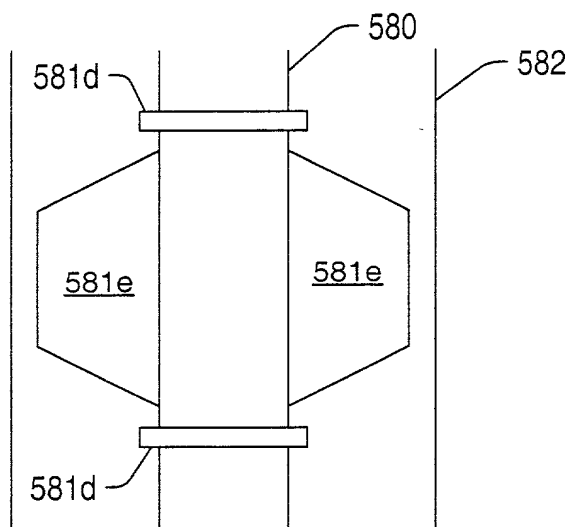


FIG. 23a

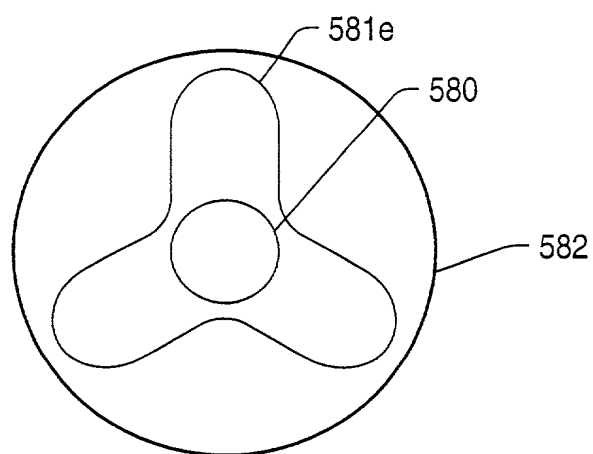


FIG. 23b

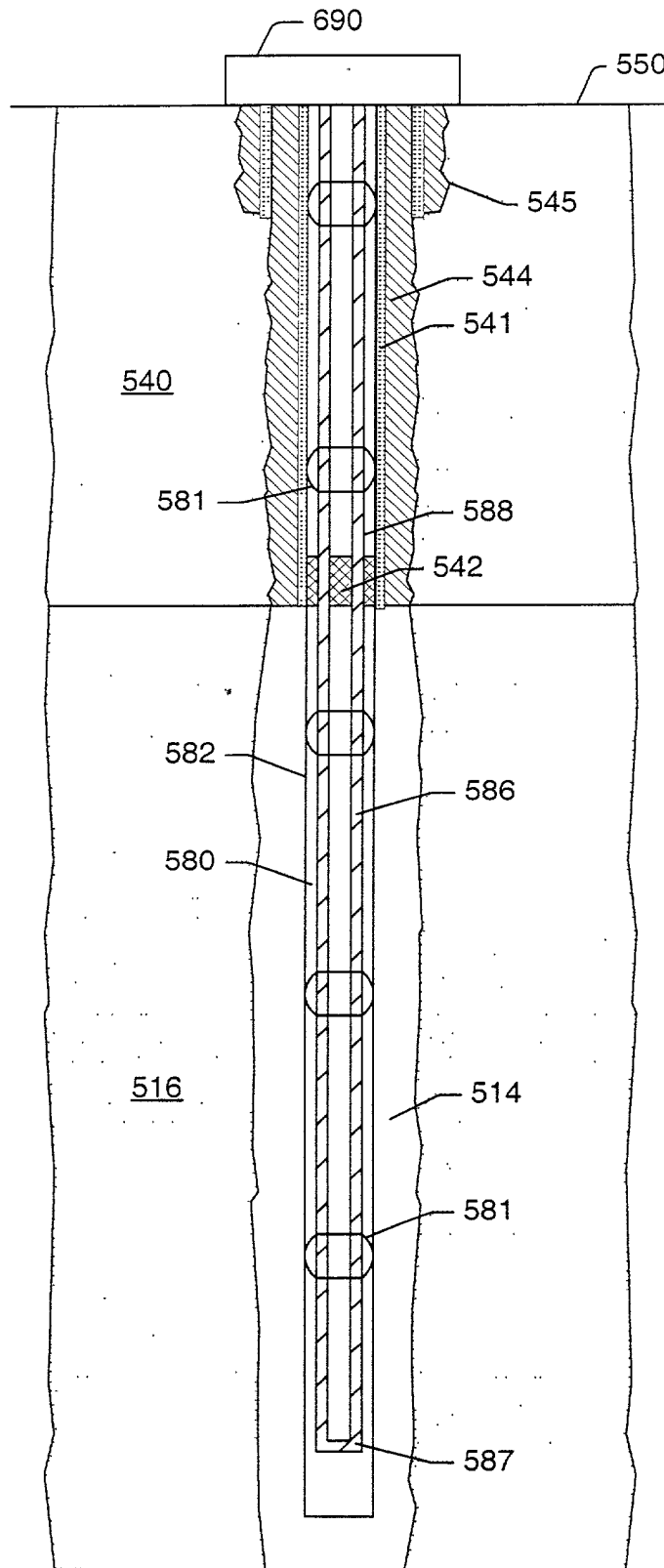


Fig. 24

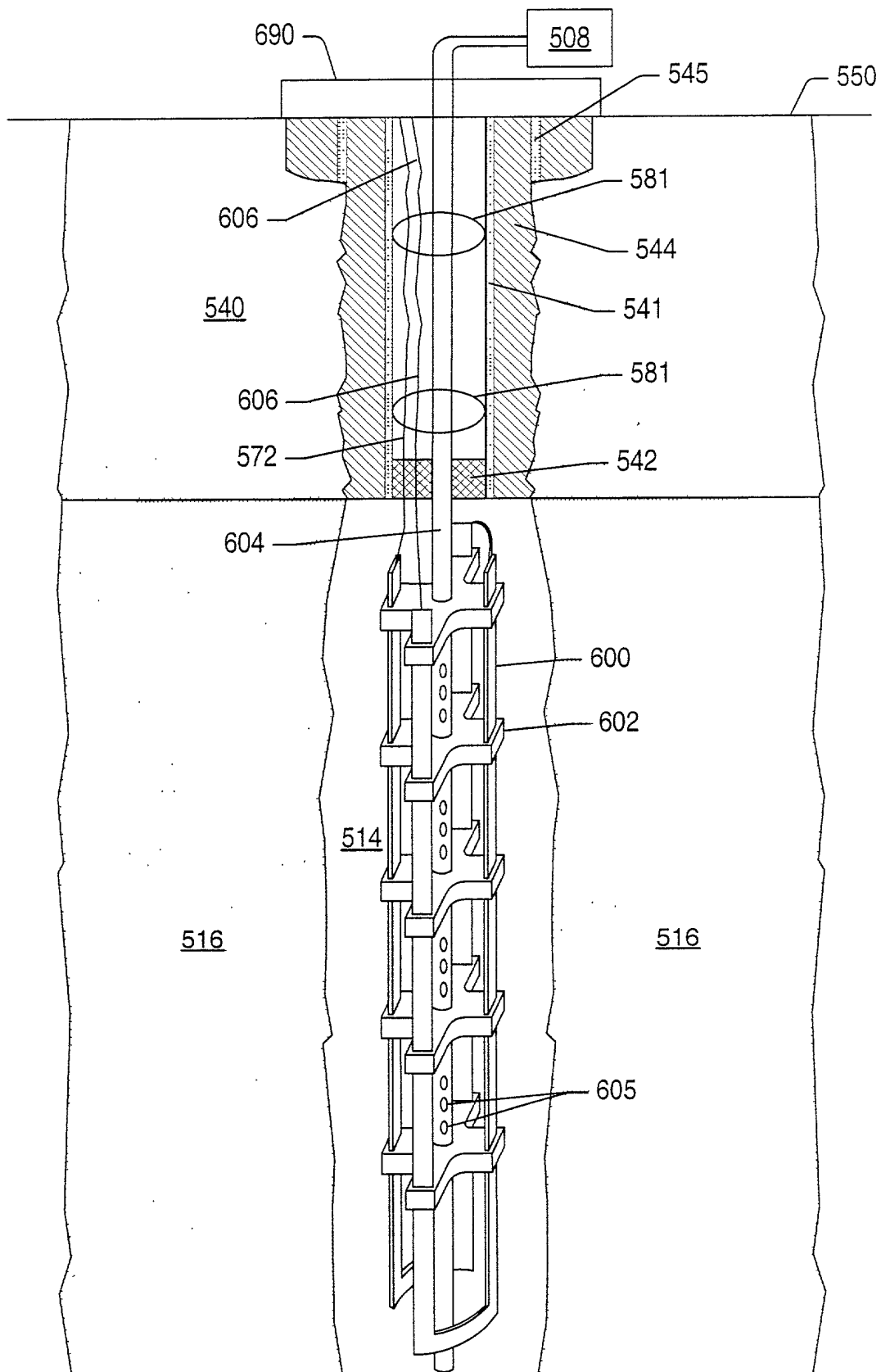


FIG. 25

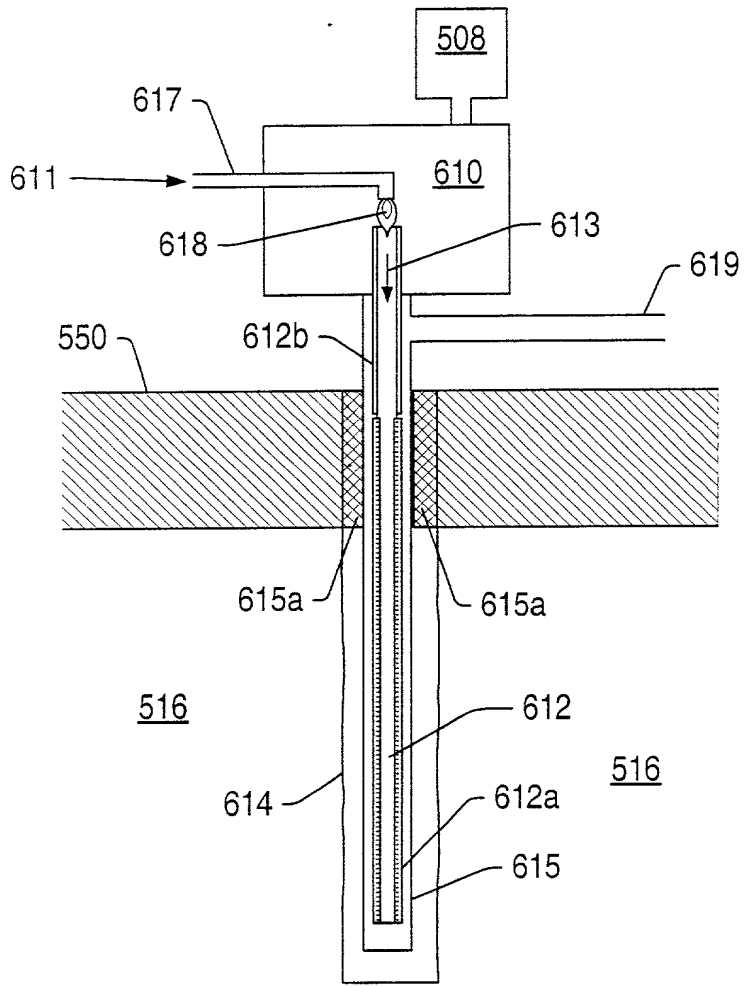


FIG. 26

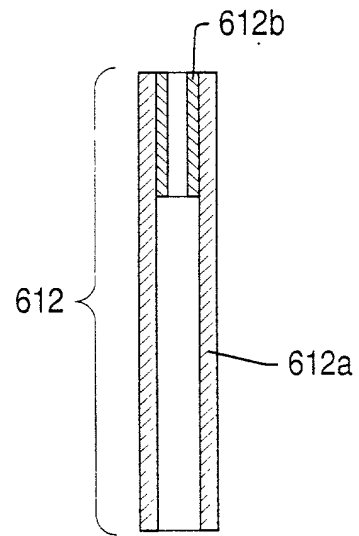


FIG. 27



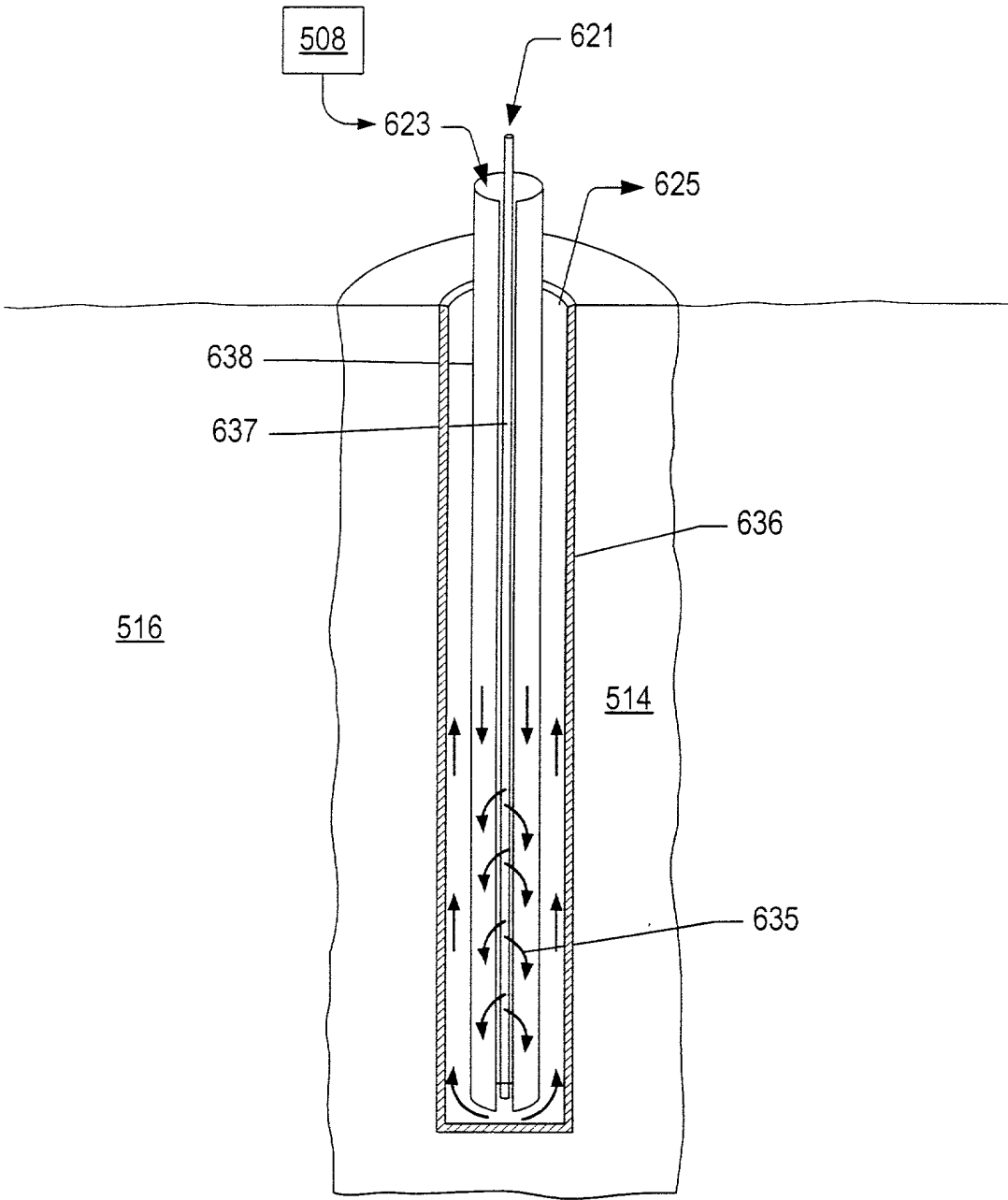


FIG. 28

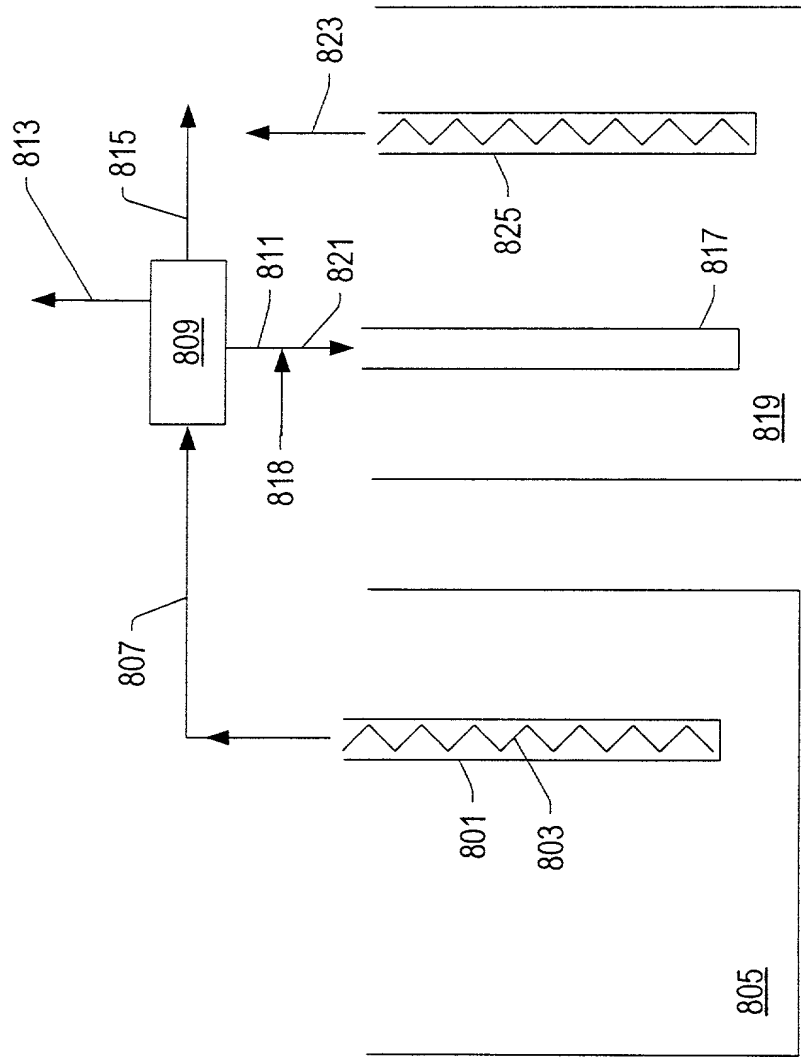


FIG. 29

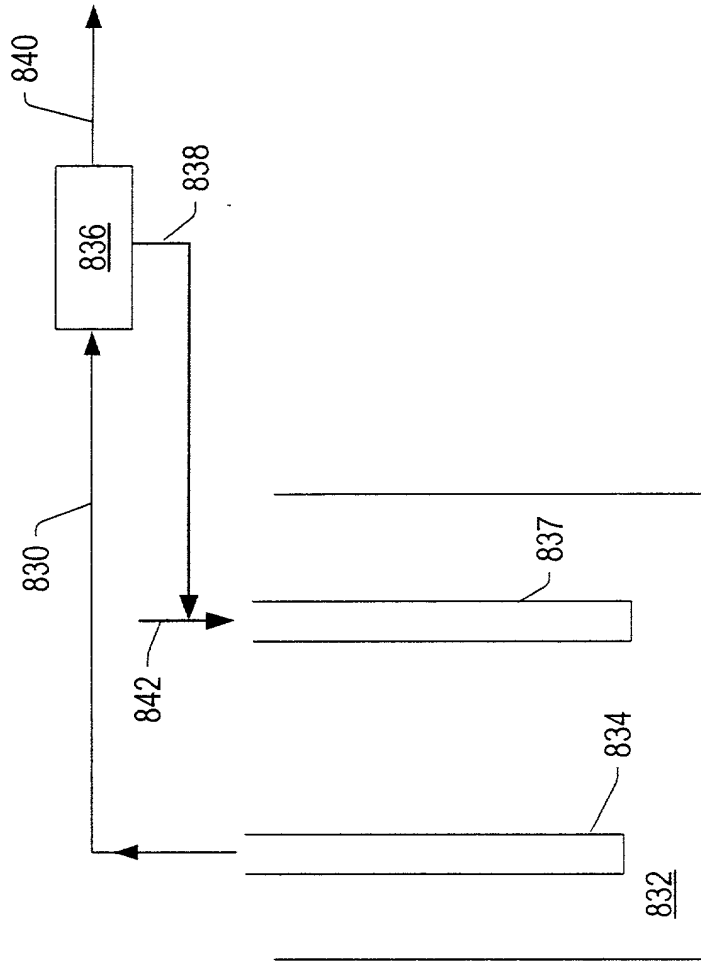


FIG. 30

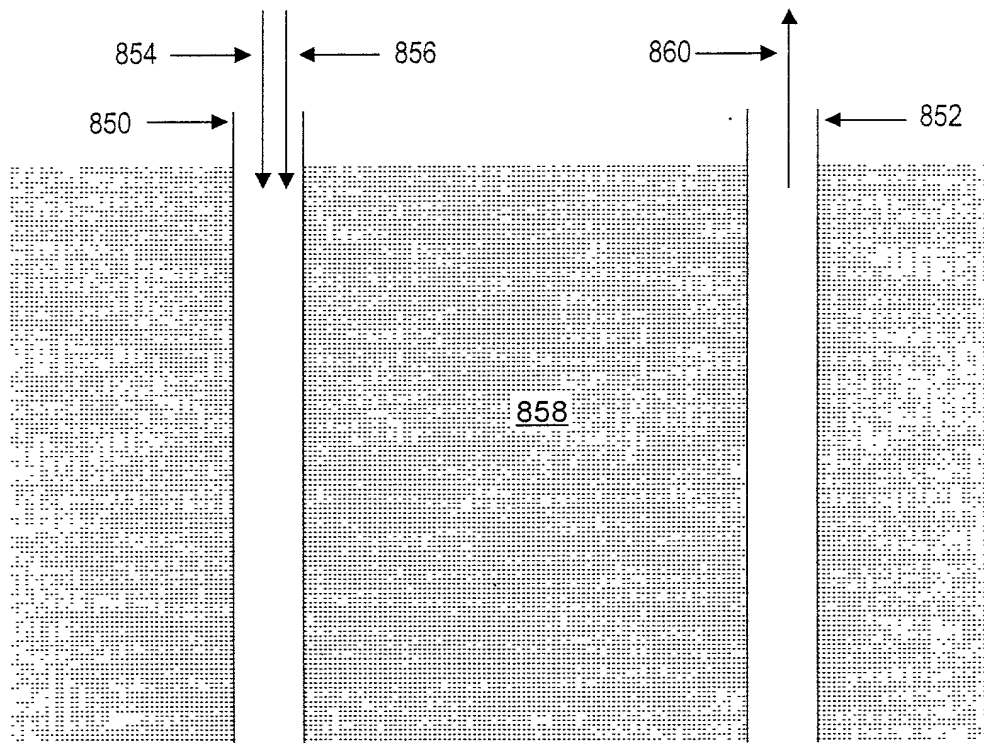


FIG. 31

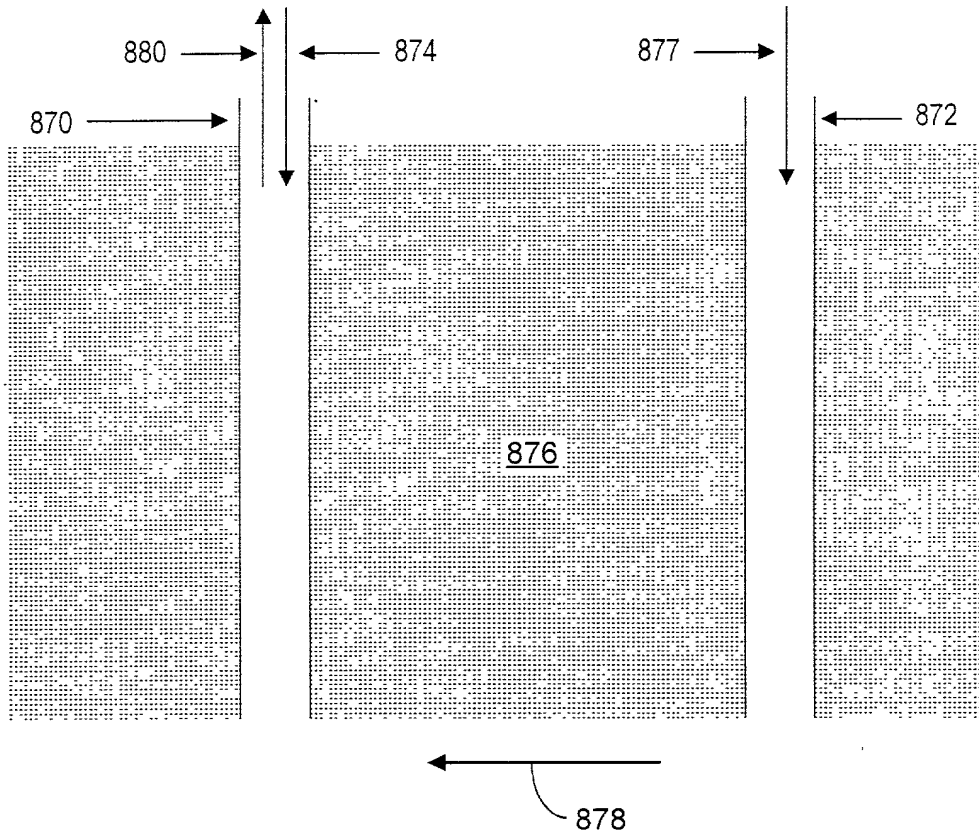


FIG. 32

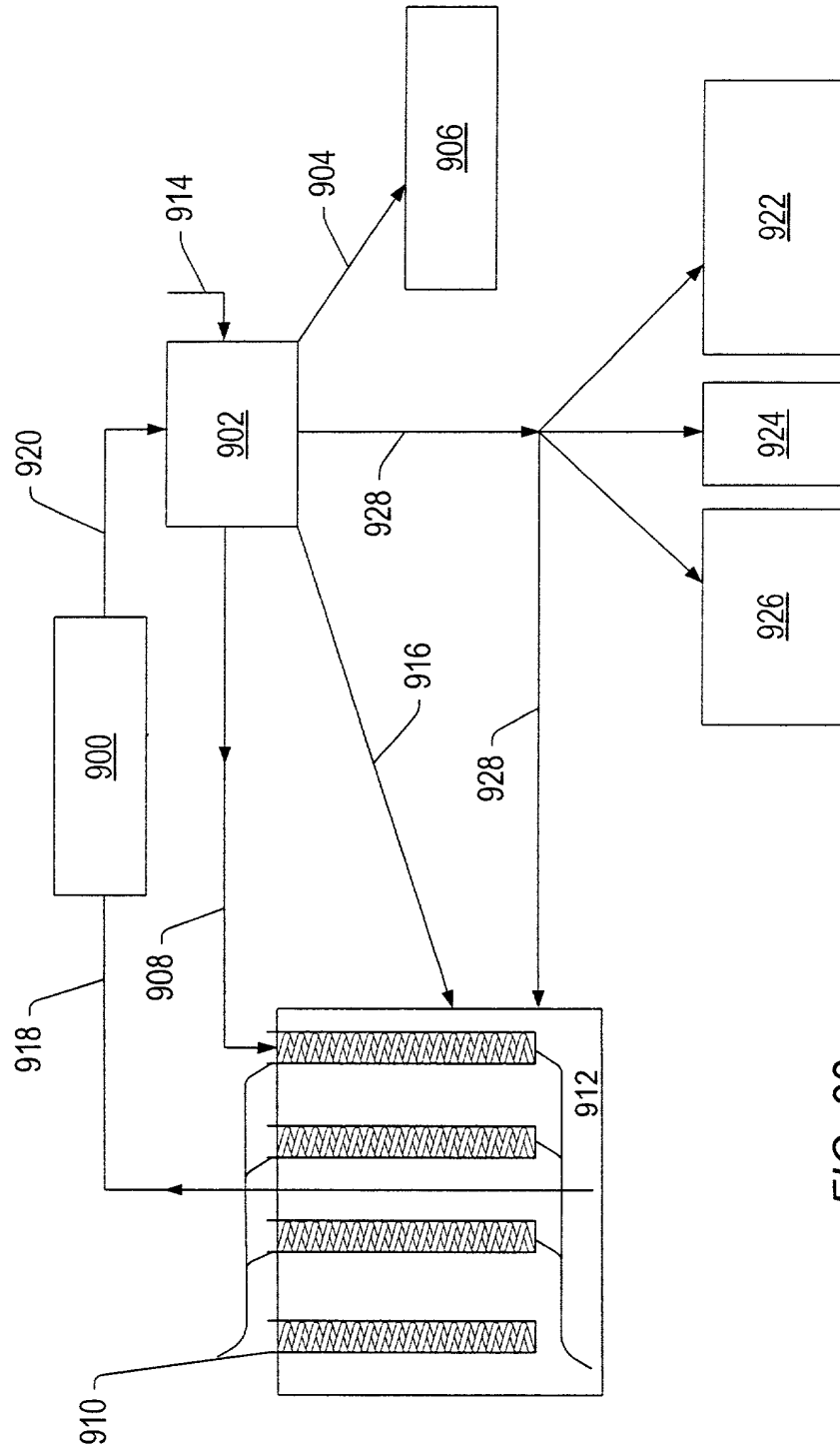


FIG. 33

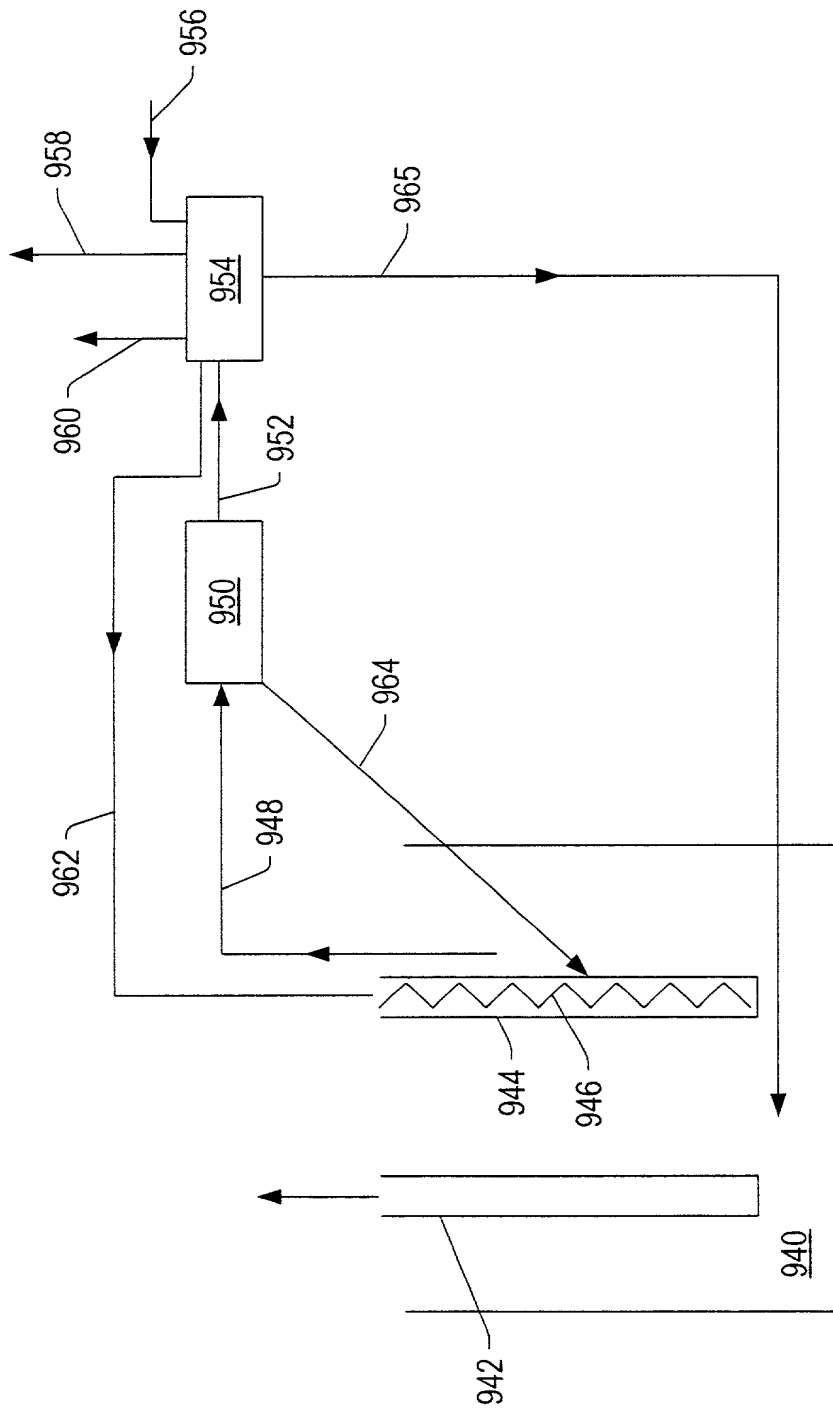


FIG. 34

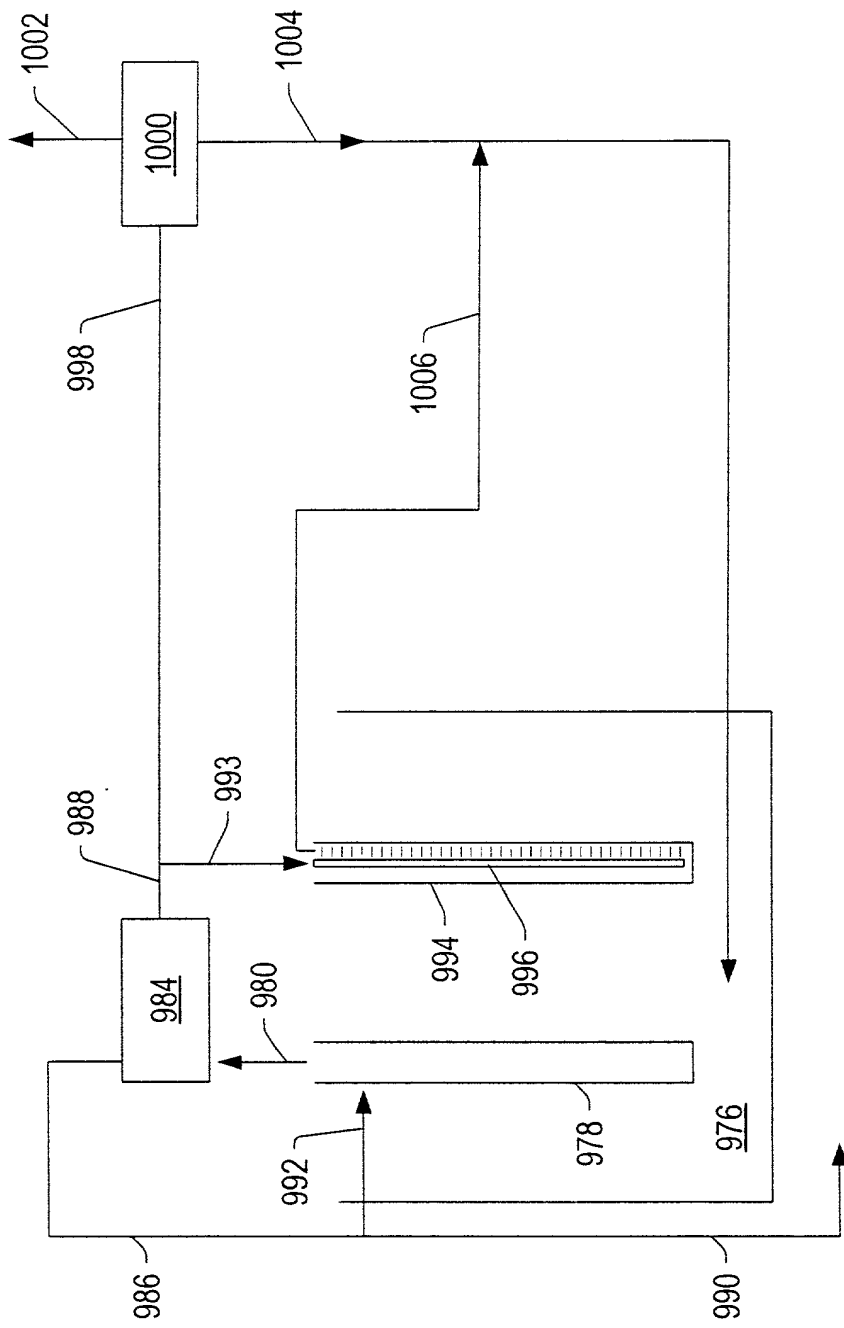


FIG. 35



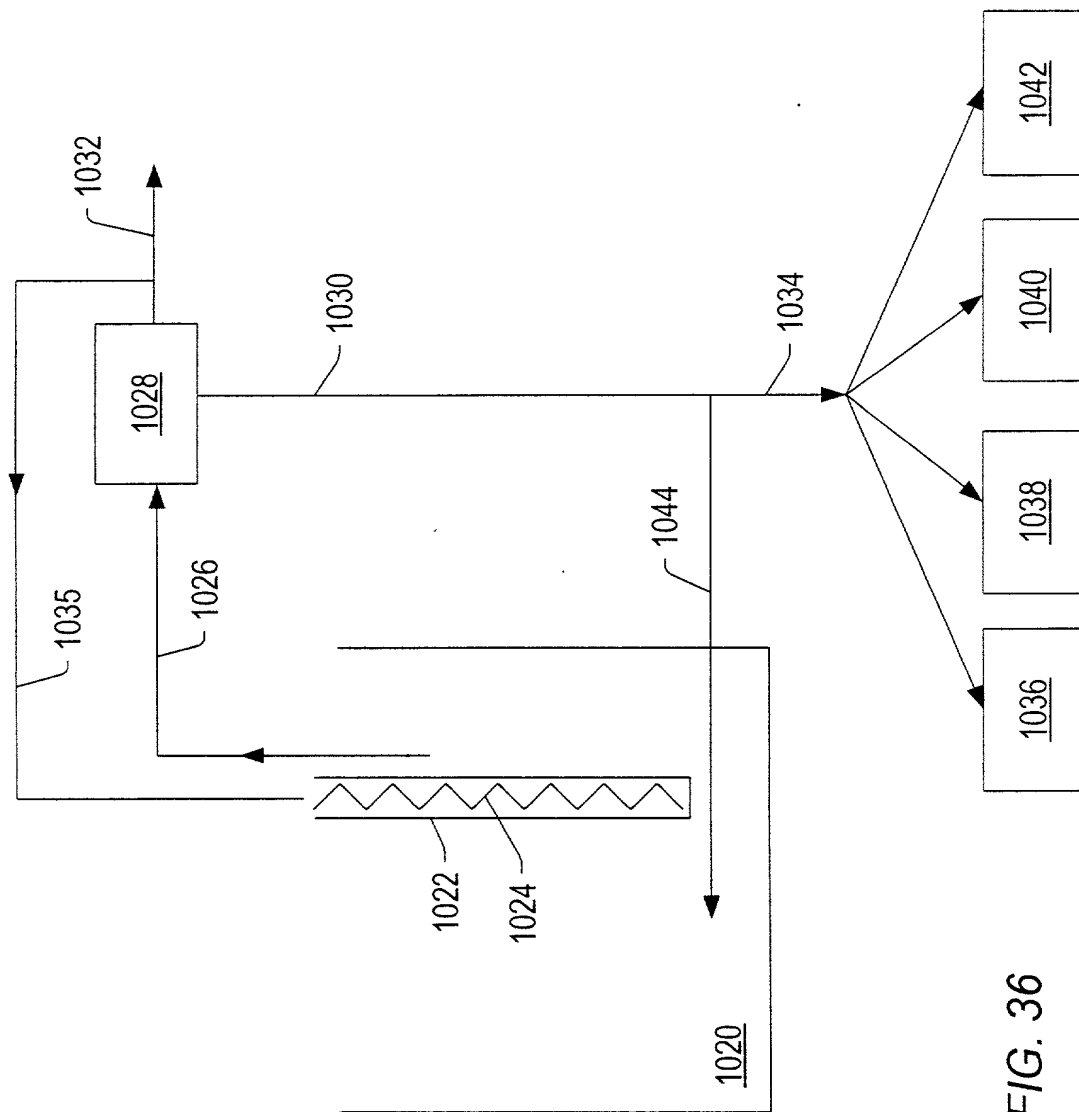


FIG. 36

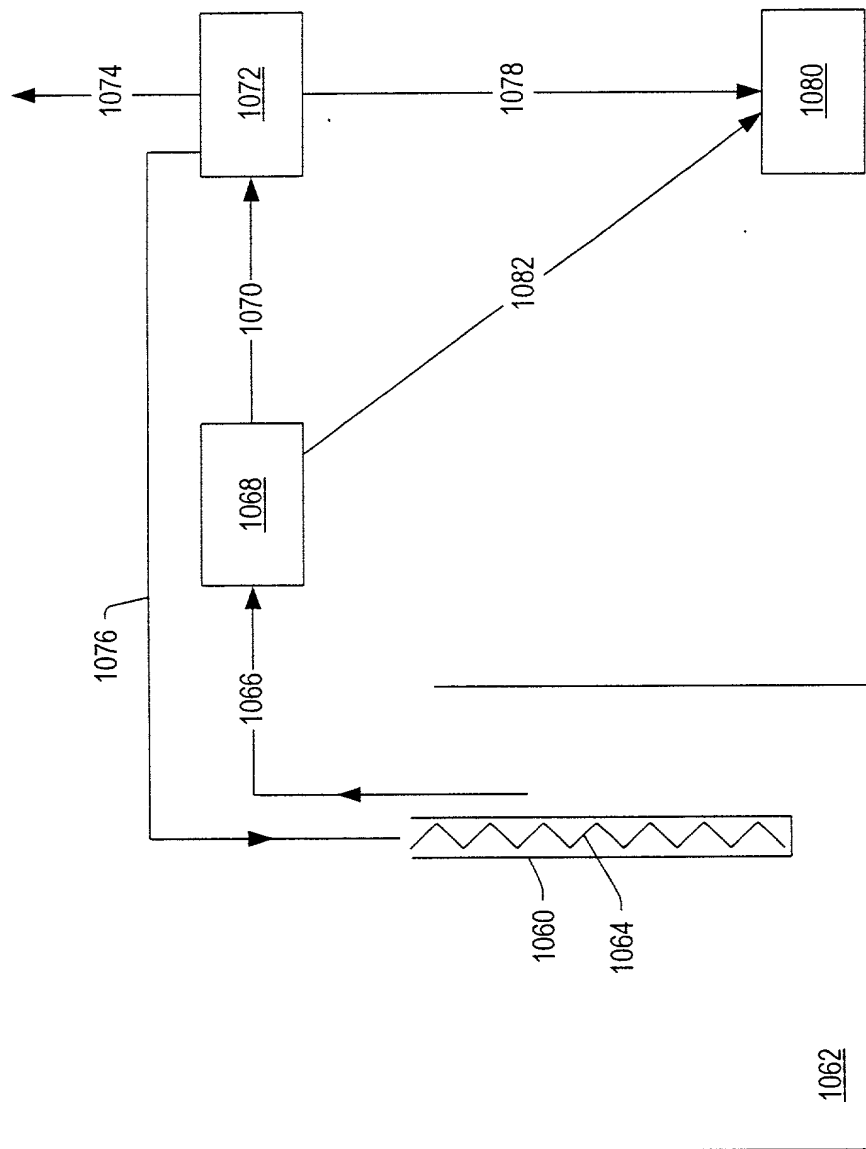


FIG. 37

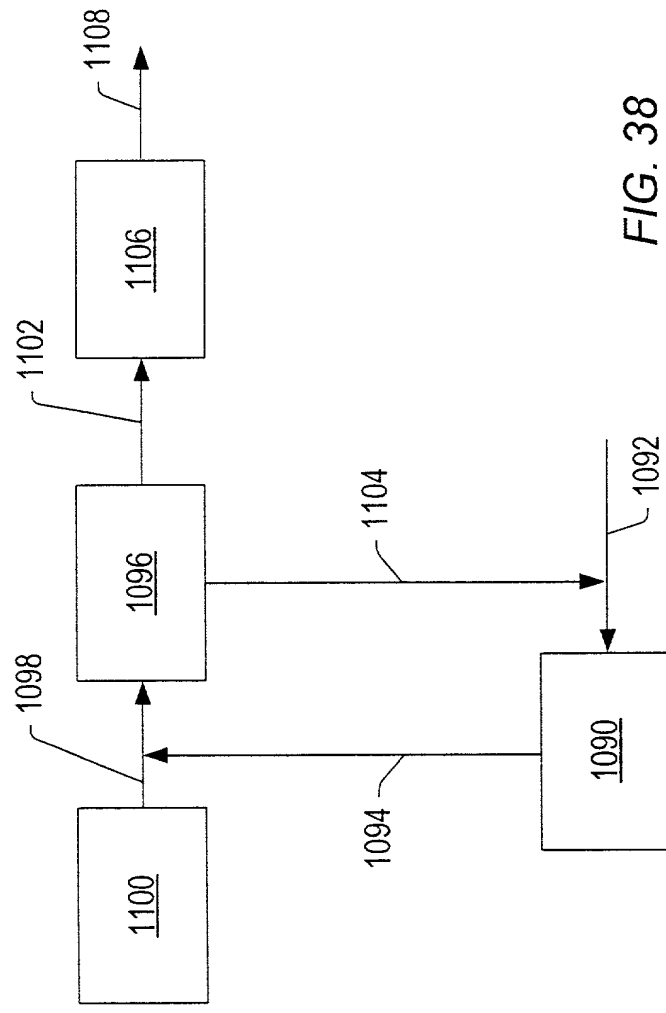


FIG. 38

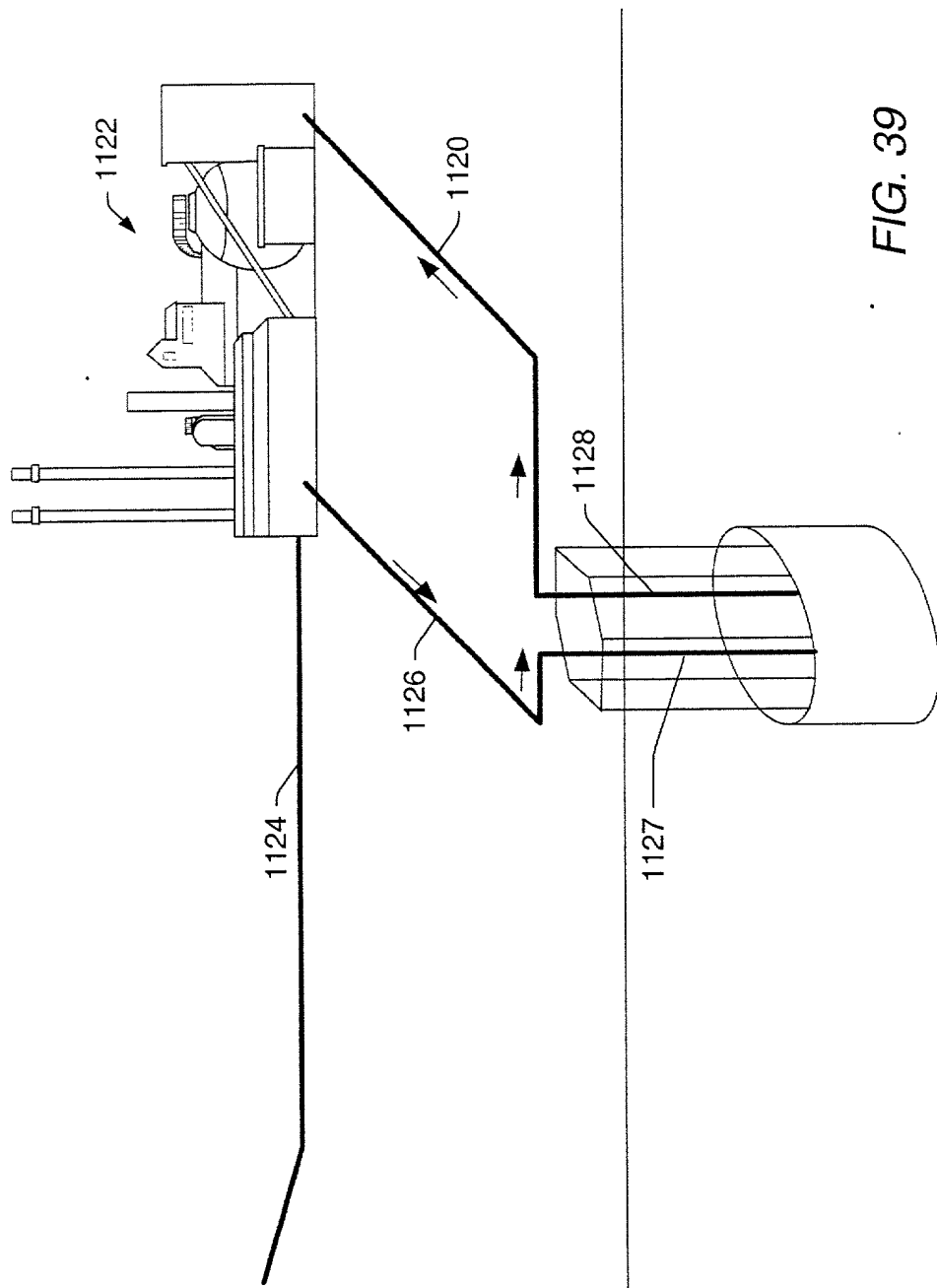


FIG. 39



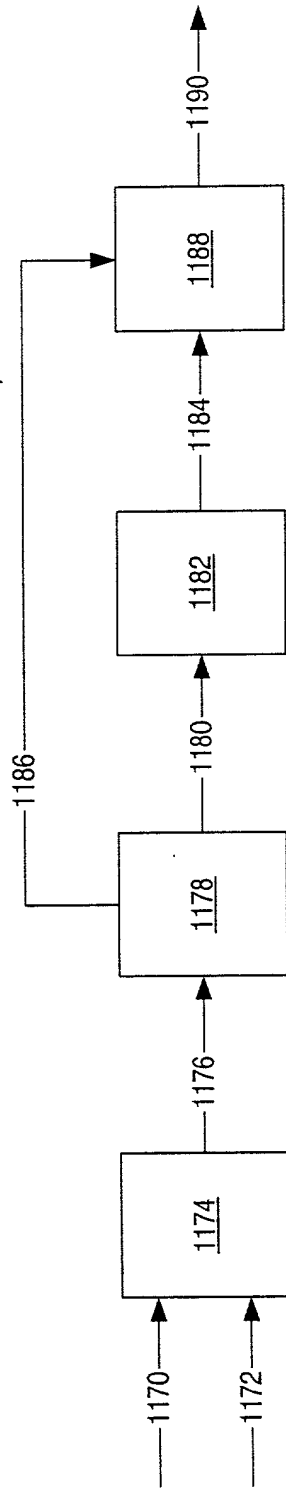


FIG. 41

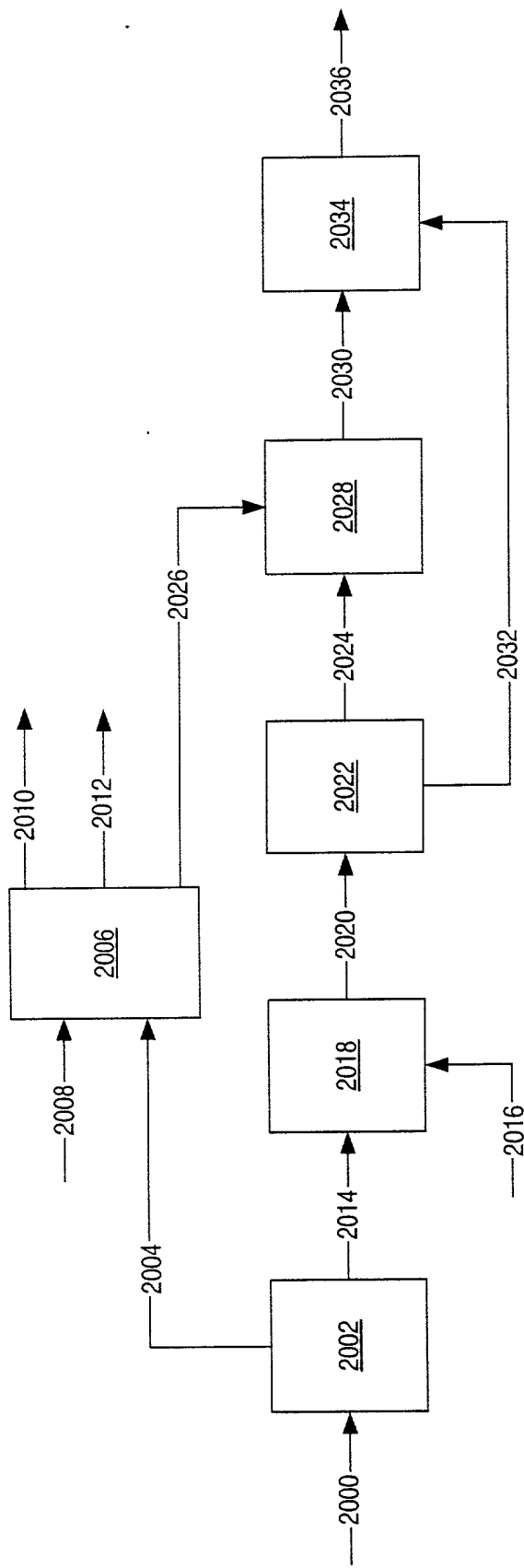


FIG. 42

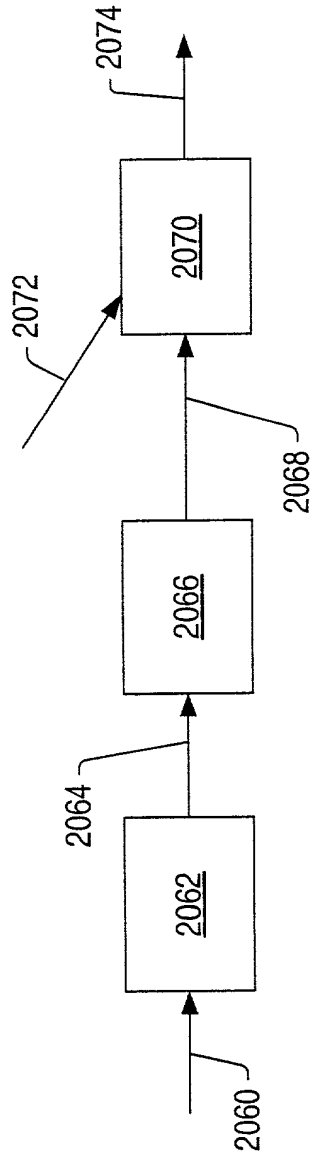


FIG. 43



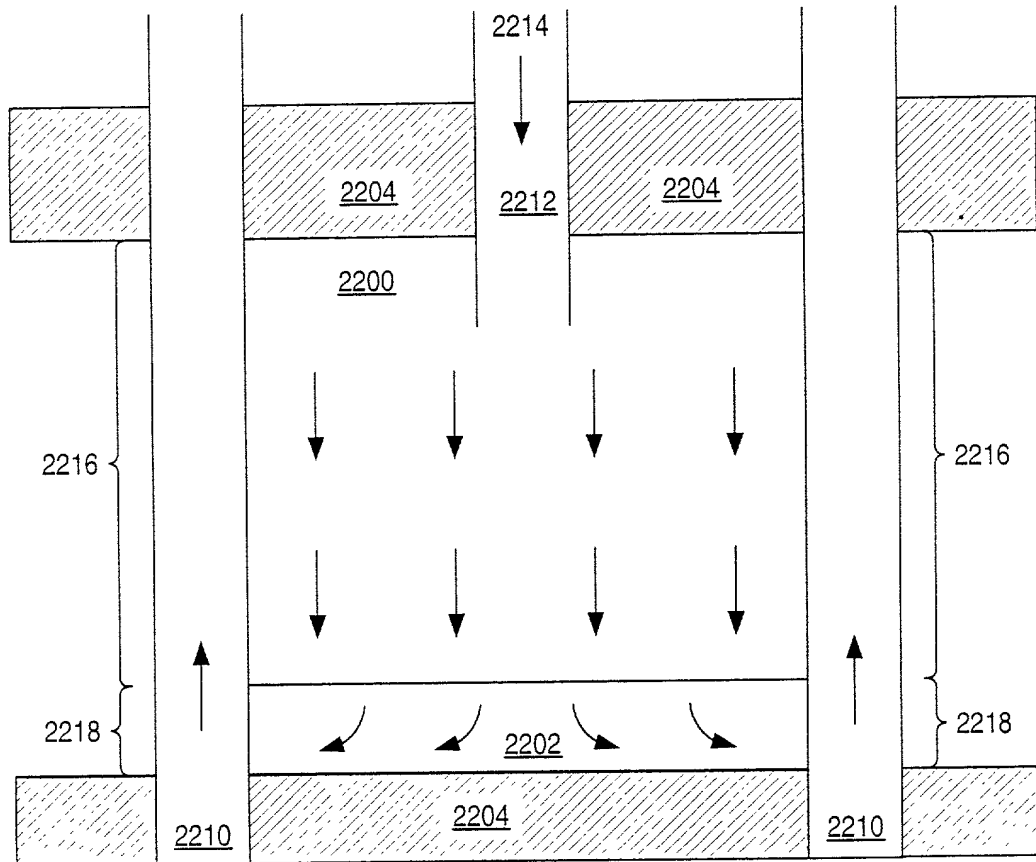


FIG. 44

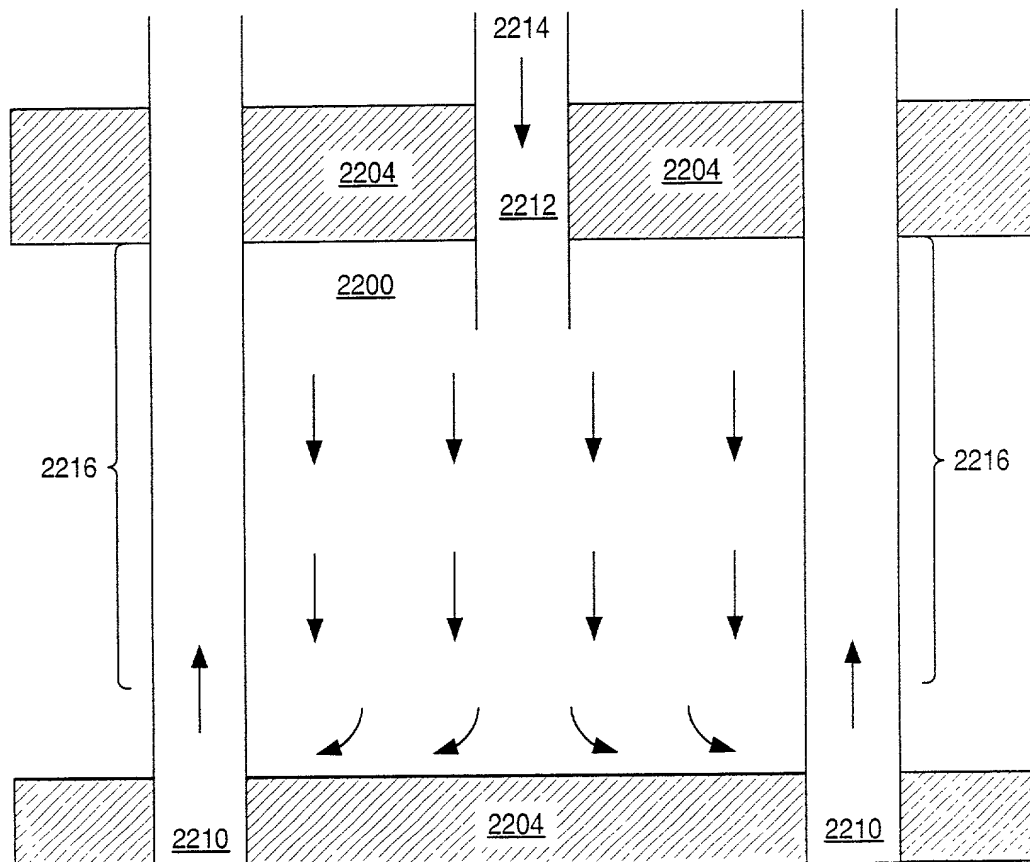


FIG. 45

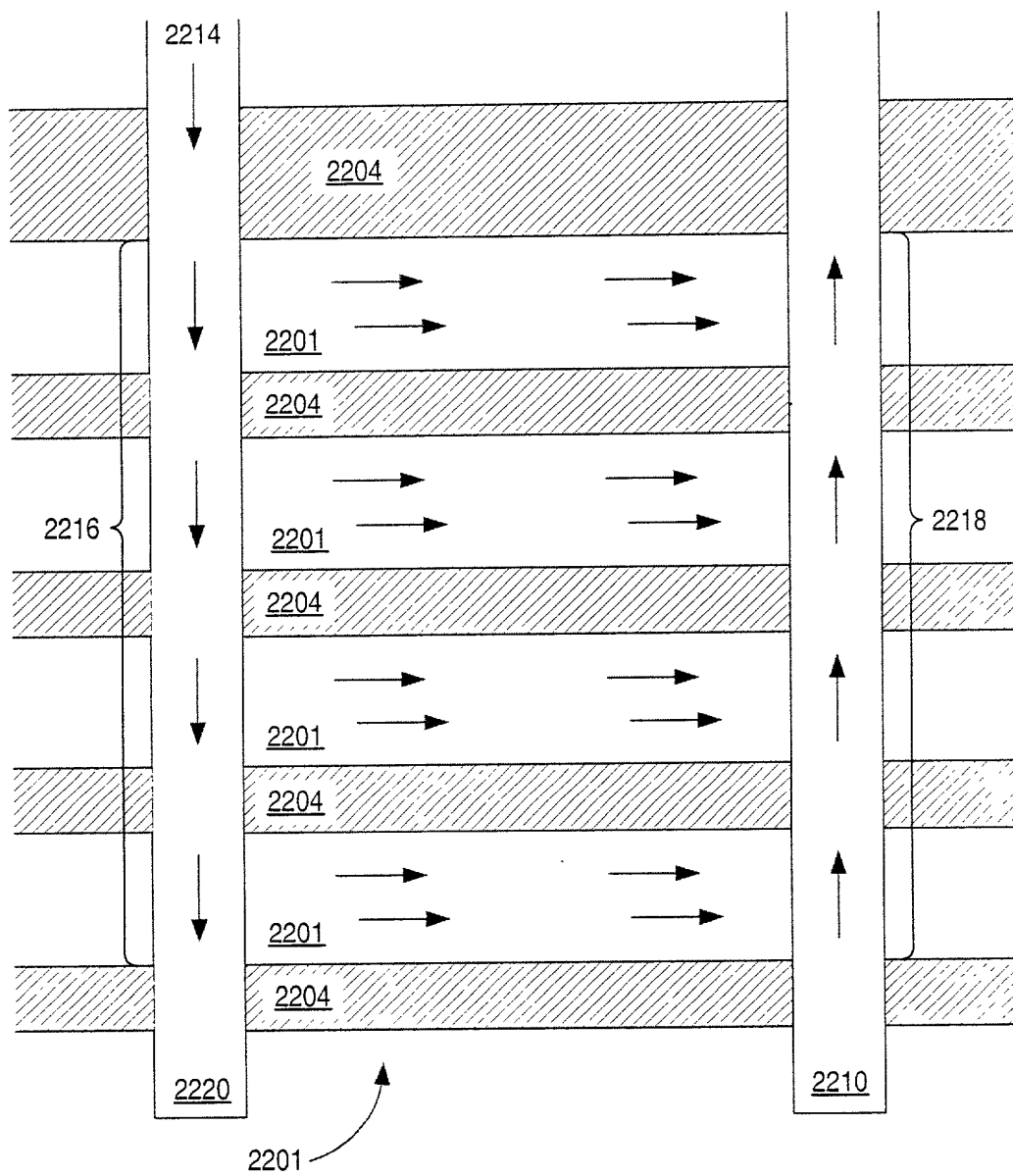


FIG. 46

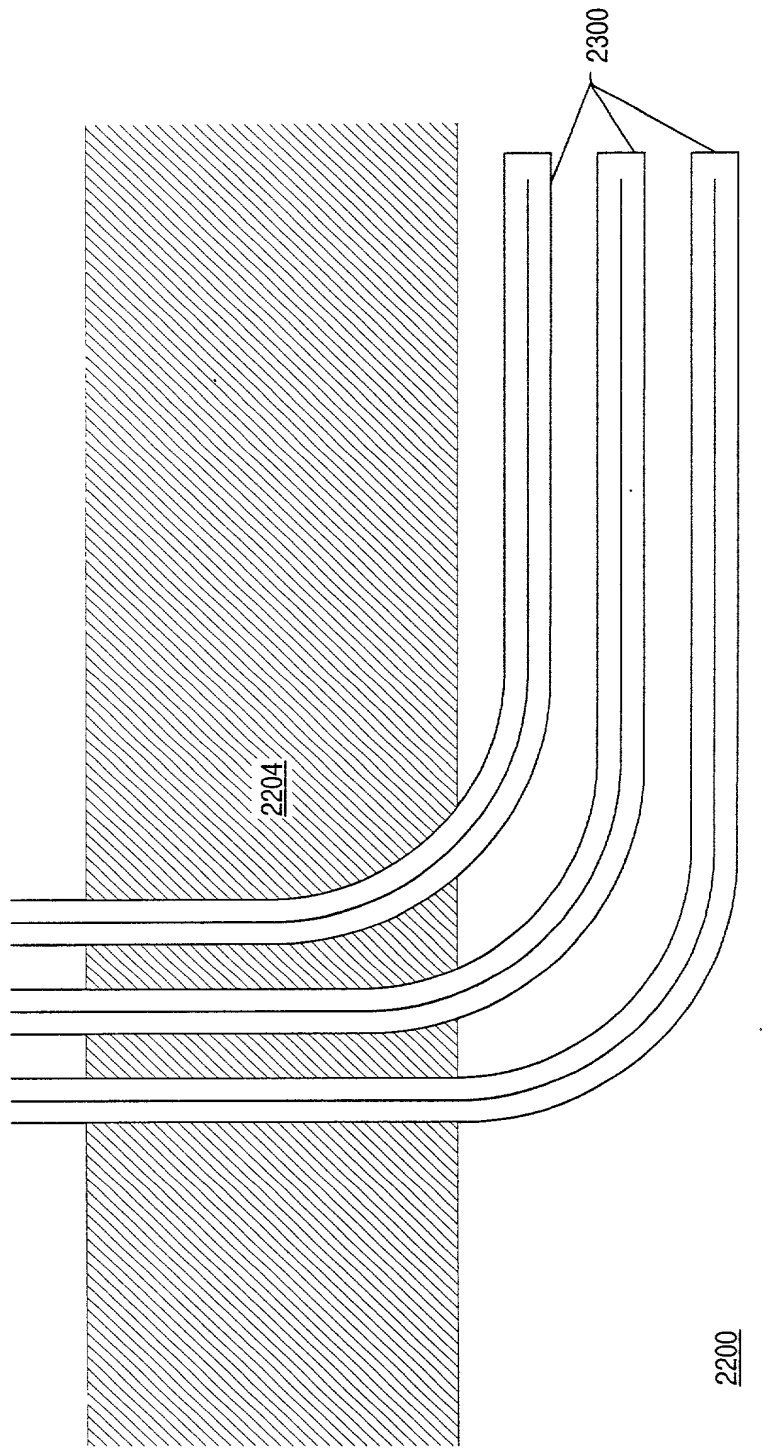


FIG. 47

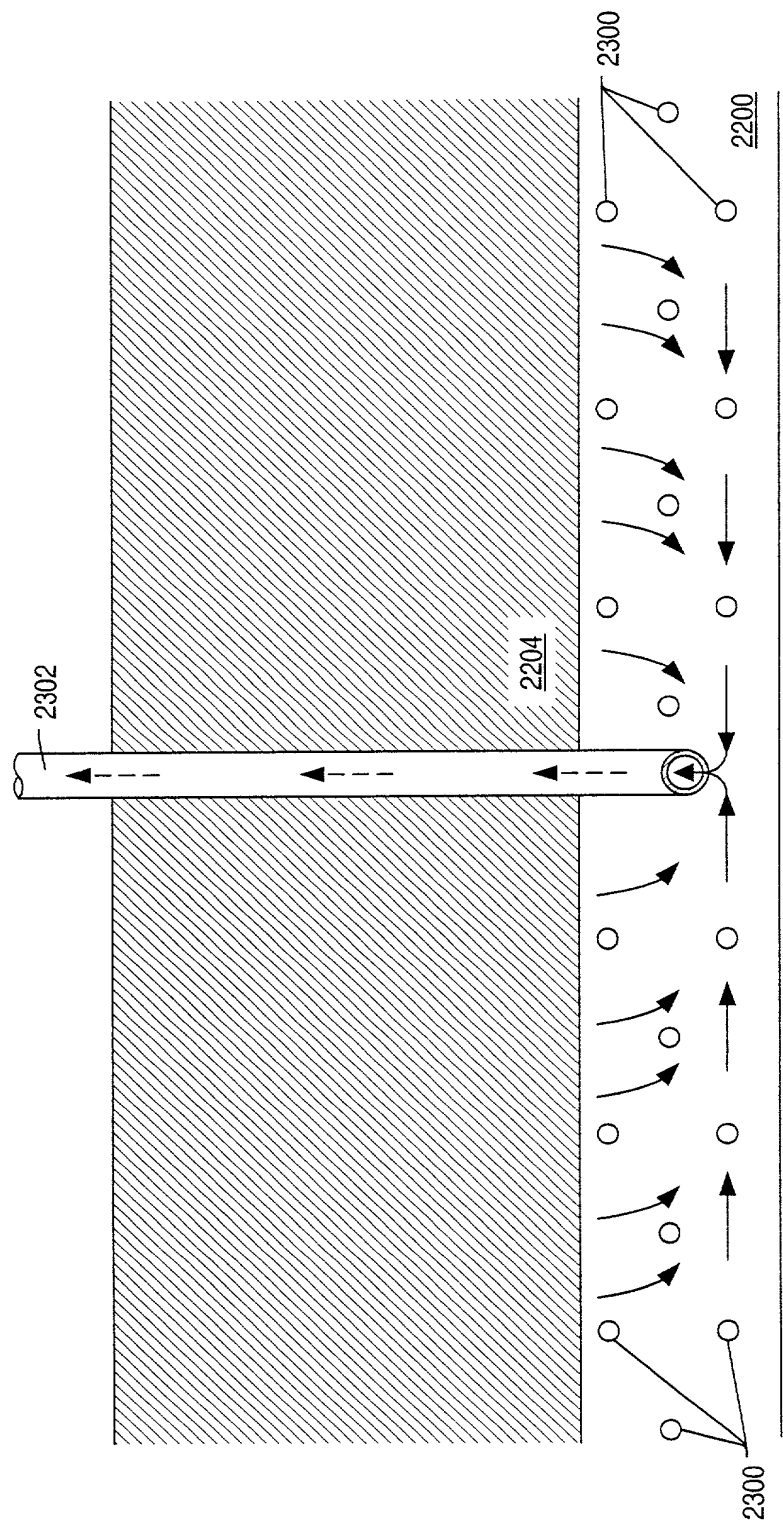


FIG. 48

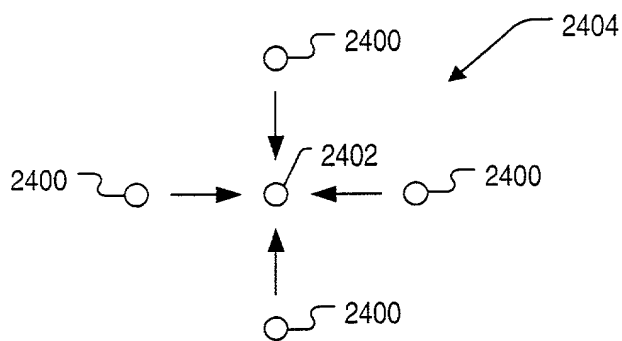


FIG. 49

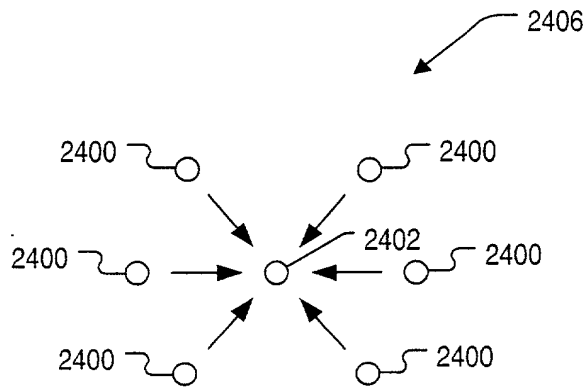


FIG. 50

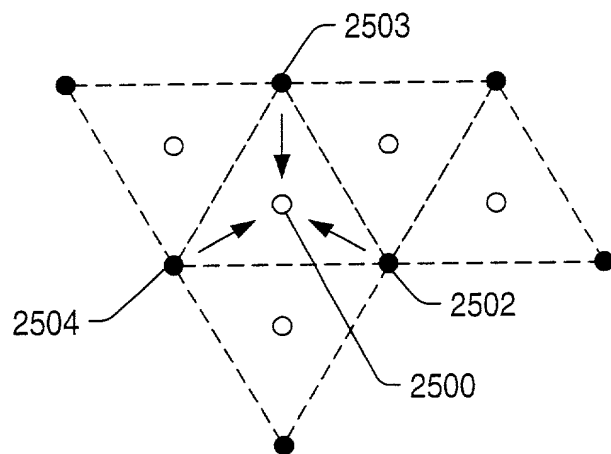


FIG. 51

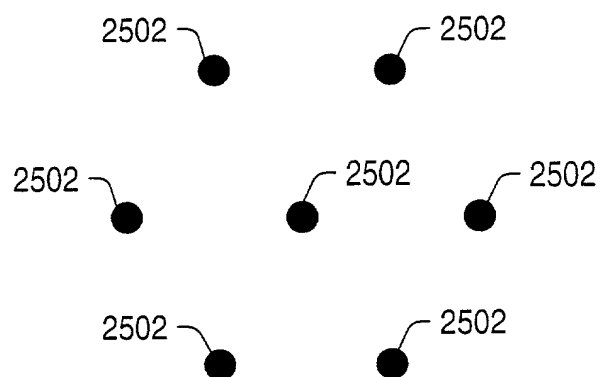


FIG. 52

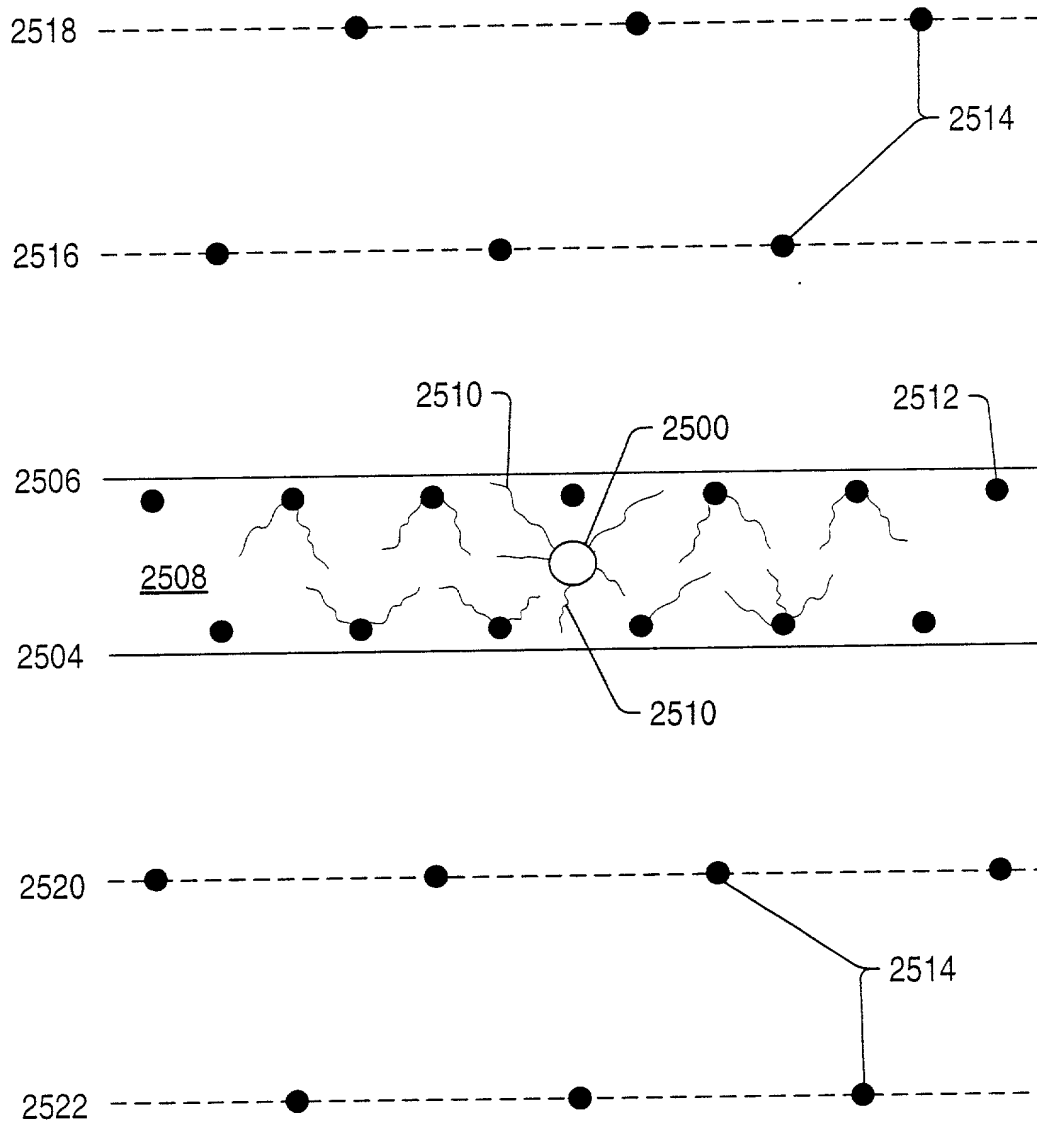


FIG. 53



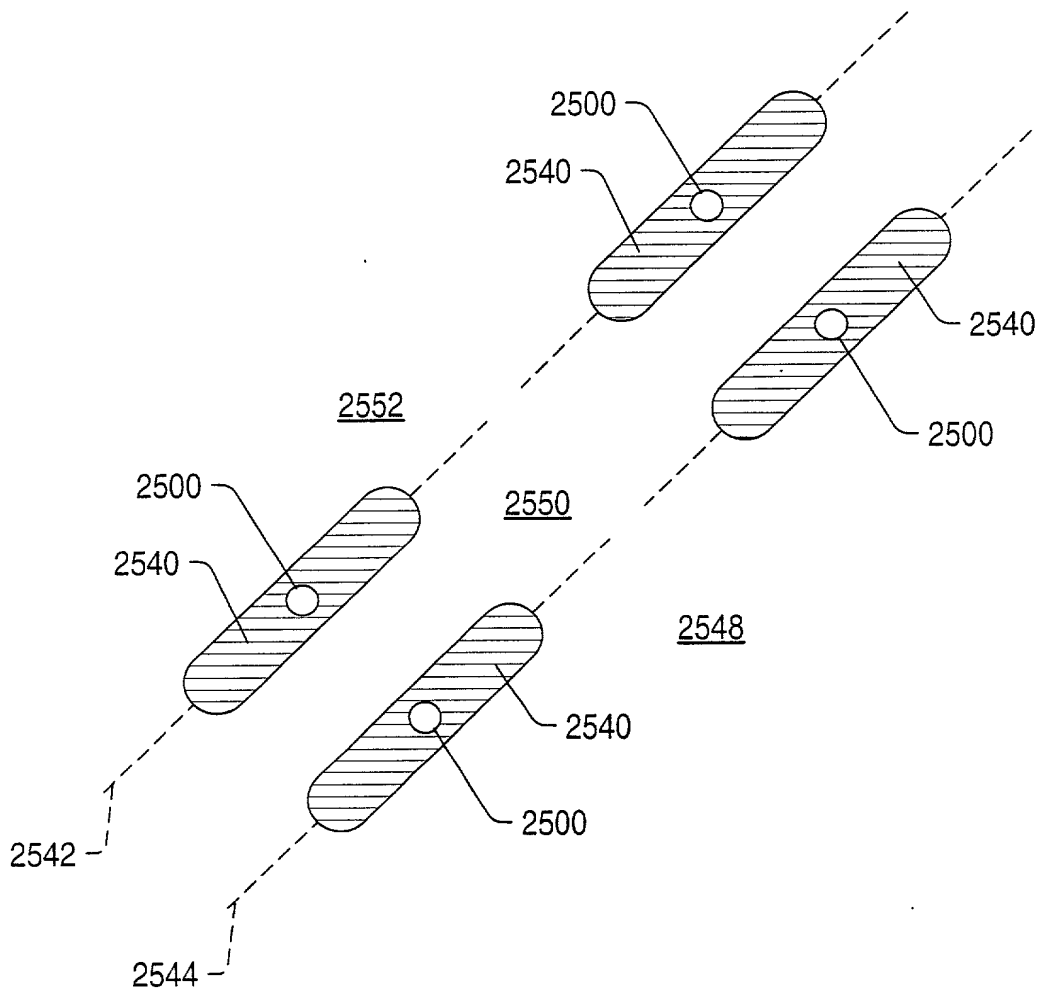


FIG. 54

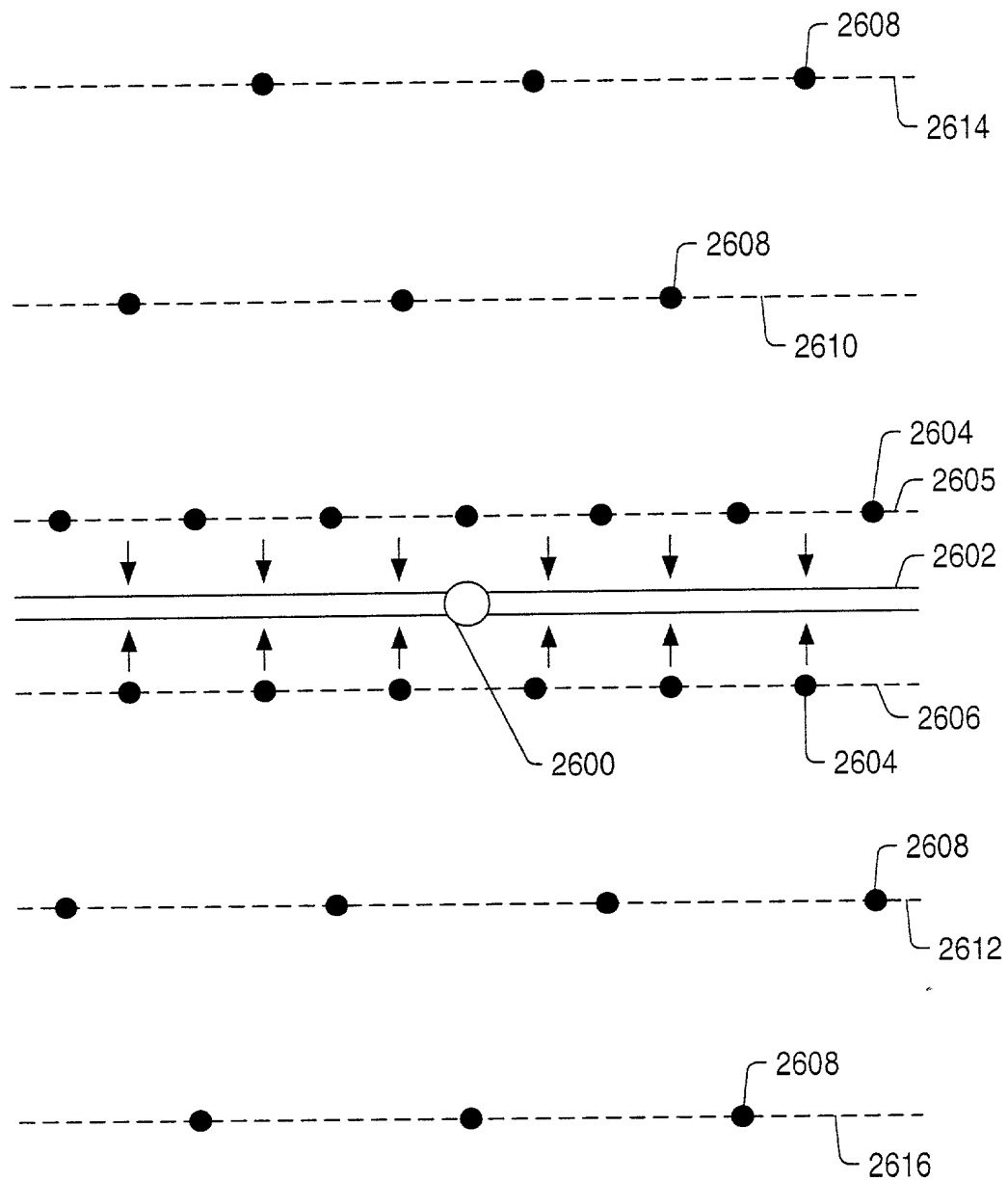


FIG. 55

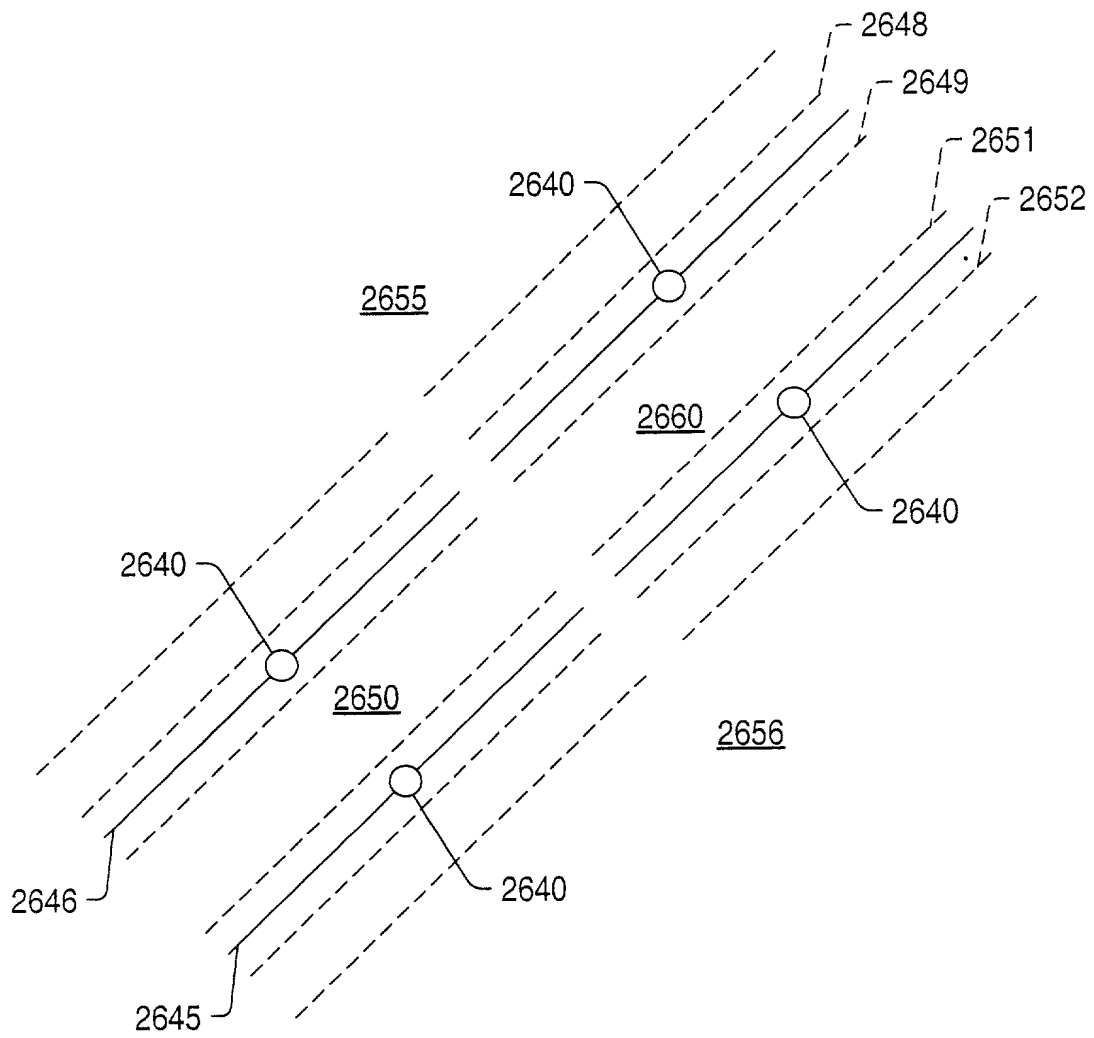


FIG. 56

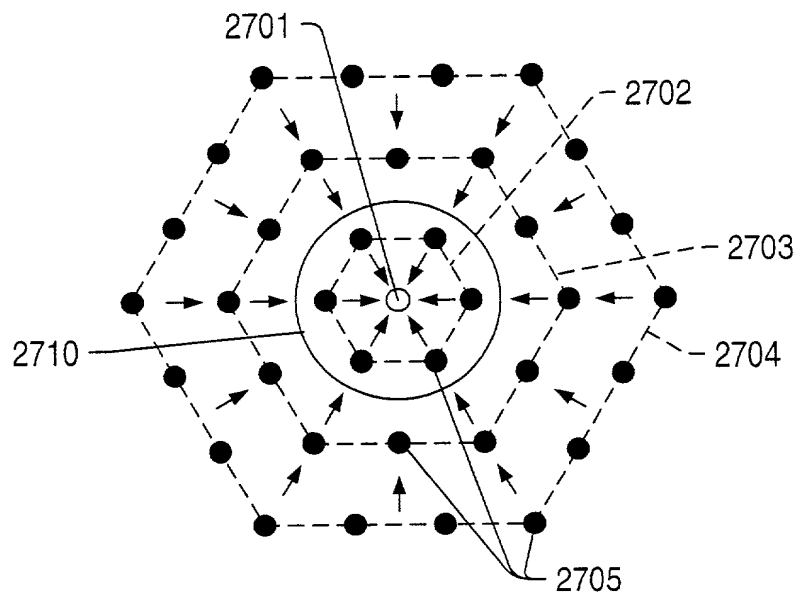


FIG. 57

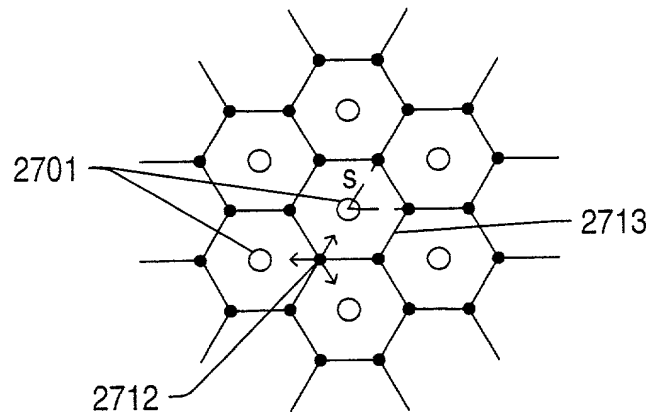


FIG. 58

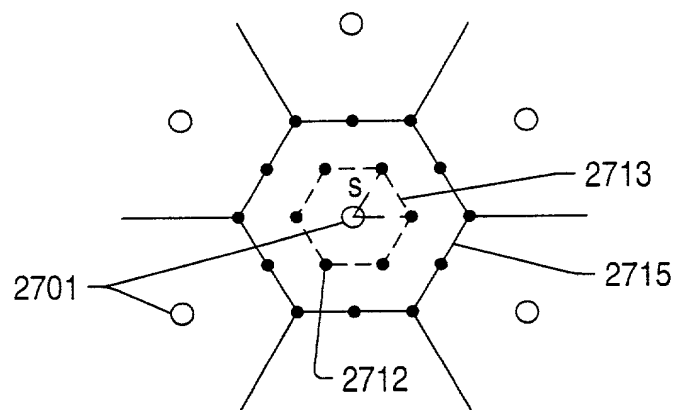


FIG. 59

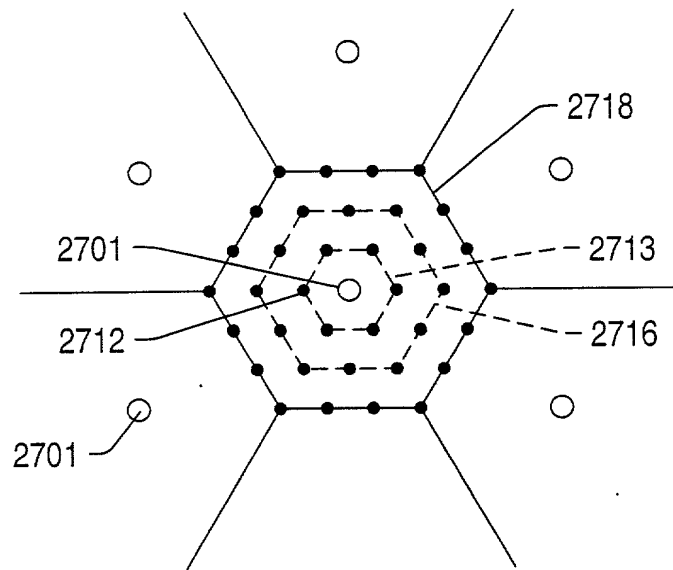


FIG. 60

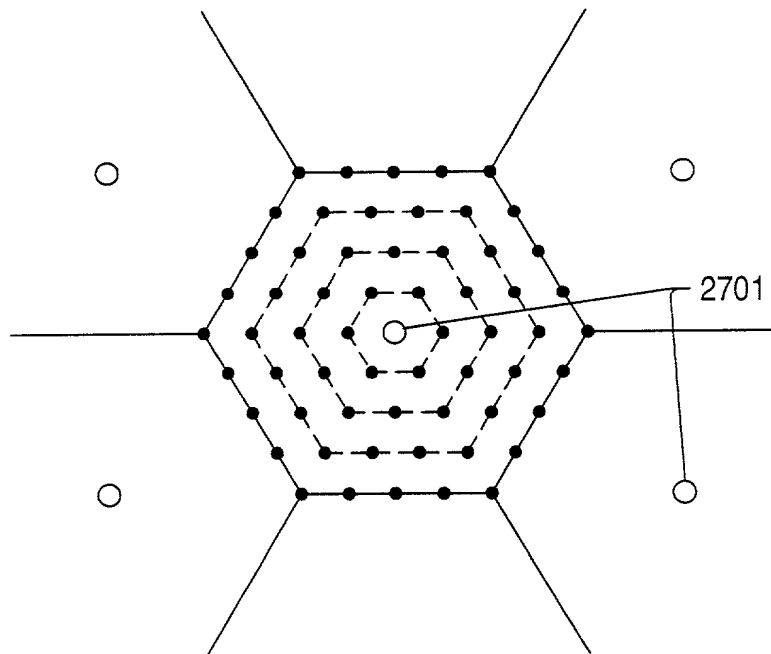


FIG. 61